Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR112118\

Quantitation Report (Not Reviewed)

Data File : VR026258.D
Acq On : 21 Nov 2018 13:16
Operator : SY/MD
Sample : VSTD01099
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD01099

Quant Time: Nov 21 13:49:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 13:44:11 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 8.46 | 114 | 582375 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.29 | 117 | 513256 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152 | 219129 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.17 | 65 | 479740 | 10.82 | ug/L | 0.00 |
| 7) Chloroethane-d5 | 2.63 | 69 | 396001 | 9.94 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2 | 3.61 | 63 | 1188420 | 10.55 | ug/L | -0.02 |
| 20) 2-Butanone-d5 | 6.59 | 46 | 418272 | 101.72 | ug/L | 0.00 |
| 24) Chloroform-d | 7.20 | 84 | 852042 | 9.80 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4 | 7.90 | 65 | 327002 | 9.66 | ug/L | 0.00 |
| 32) Benzene-d6 | 7.85 | 84 | 1739542 | 9.76 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6 | 8.90 | 67 | 421251 | 9.39 | ug/L | 0.00 |
| 41) Toluene-d8 | 9.97 | 98 | 1678796 | 10.14 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 10.24 | 79 | 118999 | 9.72 | ug/L | 0.00 |
| 46) 2-Hexanone-d5 | 10.59 | 63 | 316249 | 111.43 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36 | 84 | 181200 | 9.92 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4 | 13.52 | 152 | 366490 | 9.71 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 194.20%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.84 | 85 | 417779 | 10.246 | ug/L | 93 |
| 3) Chloromethane | 2.02 | 50 | 505120 | 9.643 | ug/L | 96 |
| 5) Vinyl chloride | 2.17 | 62 | 522933 | 10.153 | ug/L | 96 |
| 6) Bromomethane | 2.53 | 94 | 327482 | 9.499 | ug/L | 93 |
| 8) Chloroethane | 2.66 | 64 | 316557 | 9.826 | ug/L | 97 |
| 9) Trichlorofluoromethane | 2.94 | 101 | 351434 | 4.494 | ug/L # | 2 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.69 | 101 | 467139 | 10.400 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 3.63 | 96 | 504706 | 10.329 | ug/L | 80 |
| 13) Acetone | 3.70 | 43 | 350536 | 113.376 | ug/L | 98 |
| 14) Carbon disulfide | 3.94 | 76 | 1336428 | 10.954 | ug/L | 98 |
| 15) Methyl Acetate | 4.19 | 43 | 86866 | 9.682 | ug/L | 97 |
| 16) Methylene chloride | 4.40 | 84 | 414860 | 9.494 | ug/L | 98 |
| 17) Methyl tert-butyl Ether | 4.90 | 73 | 529964 | 10.487 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 4.88 | 96 | 456691 | 10.173 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 5.69 | 63 | 781529 | 9.700 | ug/L | 95 |
| 21) 2-Butanone | 6.69 | 43 | 477614 | 109.730 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 6.68 | 96 | 426831 | 10.550 | ug/L # | 92 |
| 23) Bromochloromethane | 7.05 | 128 | 115226 | 9.461 | ug/L | 95 |
| 25) Chloroform | 7.23 | 83 | 794990 | 9.096 | ug/L | 100 |
| 27) 1,2-Dichloroethane | 7.99 | 62 | 346025 | 9.722 | ug/L | 100 |
| 29) 1,1,1-Trichloroethane | 7.43 | 97 | 691241 | 9.525 | ug/L | 99 |
| 30) Cyclohexane | 7.51 | 56 | 714563 | 11.070 | ug/L | 99 |
| 31) Carbon tetrachloride | 7.63 | 117 | 634064 | 9.613 | ug/L | 99 |
| 33) Benzene | 7.91 | 78 | 1850722 | 9.868 | ug/L | 100 |
| 34) Trichloroethene | 8.71 | 95 | 477305 | 9.609 | ug/L | 97 |
| 35) Methylcyclohexane | 8.95 | 83 | 722460 | 10.923 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 9.00 | 63 | 366630 | 9.445 | ug/L | 100 |
| 38) Bromodichloromethane | 9.28 | 83 | 429667 | 9.484 | ug/L | 97 |
| 39) cis-1,3-Dichloropropene | 9.72 | 75 | 470676 | 10.564 | ug/L | 96 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR112118\

Quantitation Report (Not Reviewed)

Data File : VR026258.D
Acq On : 21 Nov 2018 13:16
Operator : SY/MD
Sample : VSTD01099
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD01099

Quant Time: Nov 21 13:49:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 13:44:11 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 40) 4-Methyl-2-pentanone | 9.87 | 43 | 1184923 | 109.849 | ug/L | | 100 |
| 42) Toluene | 10.04 | 91 | 2003970 | 8.944 | ug/L | | 98 |
| 44) trans-1,3-Dichloropropene | 10.26 | 75 | 319792 | 10.516 | ug/L | | 100 |
| 45) 1,1,2-Trichloroethane | 10.45 | 97 | 159997 | 9.579 | ug/L | | 94 |
| 47) Tetrachloroethene | 10.51 | 164 | 350976 | 9.621 | ug/L | | 96 |
| 48) 2-Hexanone | 10.63 | 43 | 790632 | 109.126 | ug/L | | 99 |
| 49) Dibromochloromethane | 10.79 | 129 | 211106 | 10.399 | ug/L | | 99 |
| 50) 1,2-Dibromoethane | 10.89 | 107 | 141155 | 9.691 | ug/L | # | 97 |
| 51) Chlorobenzene | 11.32 | 112 | 1086379 | 9.908 | ug/L | | 98 |
| 52) Ethylbenzene | 11.39 | 91 | 2367633 | 10.551 | ug/L | | 99 |
| 53) m,p-Xylene | 11.50 | 106 | 876075 | 10.587 | ug/L | | 93 |
| 54) o-Xylene | 11.83 | 106 | 829952 | 10.953 | ug/L | | 95 |
| 55) Styrene | 11.84 | 104 | 1287646 | 11.135 | ug/L | | 100 |
| 56) Isopropylbenzene | 12.13 | 105 | 2332059 | 11.235 | ug/L | | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 12.39 | 83 | 166749 | 10.256 | ug/L | # | 94 |
| 59) 1,2,3-Trichloropropane | 12.43 | 75 | 119392 | 9.795 | ug/L | | 99 |
| 61) Bromoform | 12.01 | 173 | 83593 | 9.948 | ug/L | | 99 |
| 62) 1,3-Dichlorobenzene | 13.16 | 146 | 701759 | 10.058 | ug/L | | 98 |
| 63) 1,4-Dichlorobenzene | 13.24 | 146 | 714249 | 9.490 | ug/L | | 97 |
| 65) 1,2-Dichlorobenzene | 13.53 | 146 | 558269 | 9.744 | ug/L | | 96 |
| 66) 1,2-Dibromo-3-chloropropan | 14.15 | 75 | 16586 | 8.659 | ug/L | | 91 |
| 67) 1,3,5-Trichlorobenzene | 14.30 | 180 | 430998 | 9.541 | ug/L | | 97 |
| 68) 1,2,4-trichlorobenzene | 14.79 | 180 | 257881 | 10.096 | ug/L | | 99 |
| 69) Naphthalene | 15.00 | 128 | 281287 | 11.305 | ug/L | | 98 |
| 70) 1,2,3-Trichlorobenzene | 15.18 | 180 | 181586 | 9.937 | ug/L | | 97 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

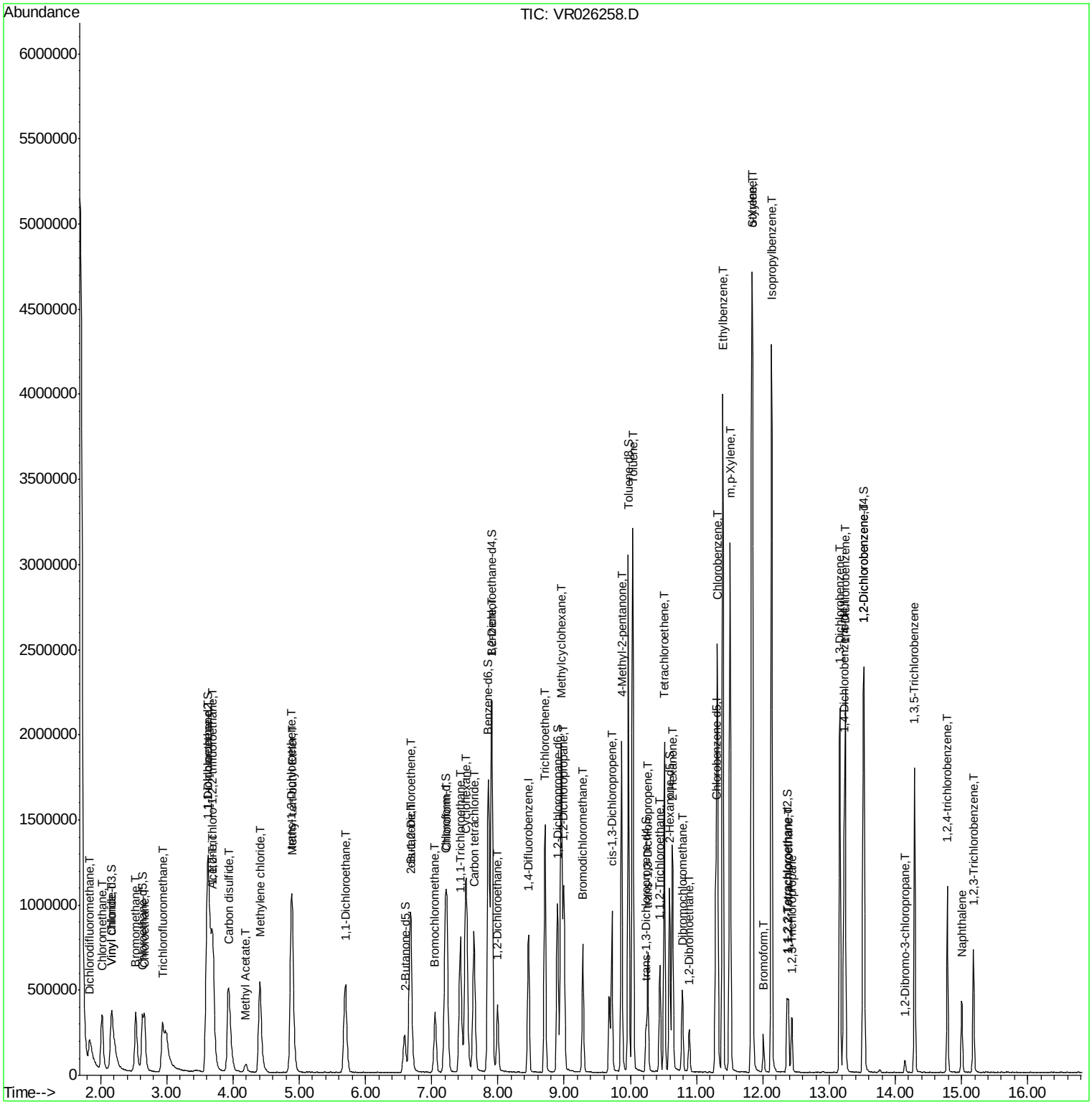
Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR112118\

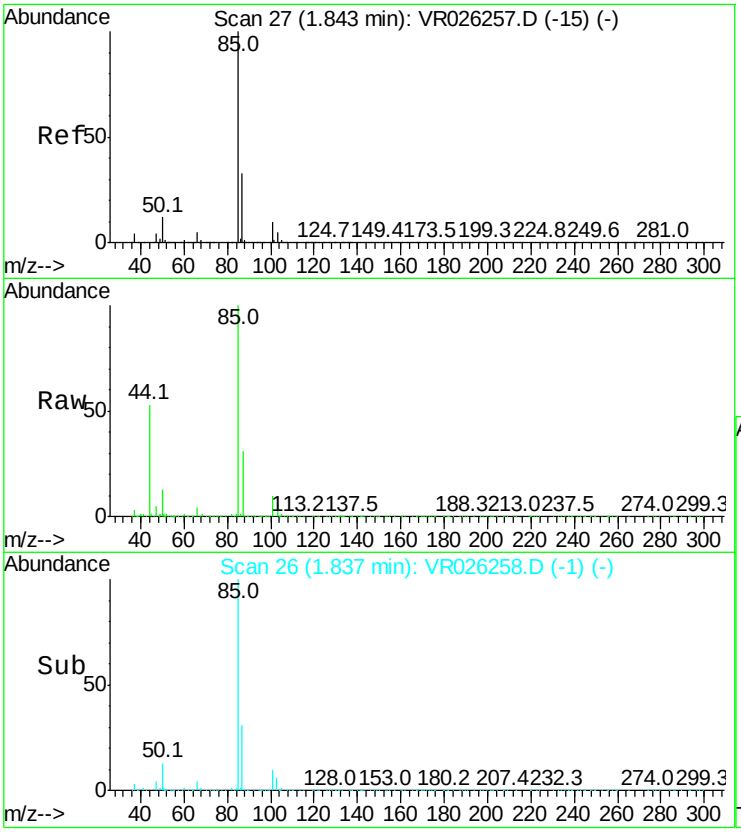
Quantitation Report (Not Reviewed)

Data File : VR026258.D
Acq On : 21 Nov 2018 13:16
Operator : SY/MD
Sample : VSTD01099
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Quant Time: Nov 21 13:49:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 13:44:11 2018
Response via : Initial Calibration



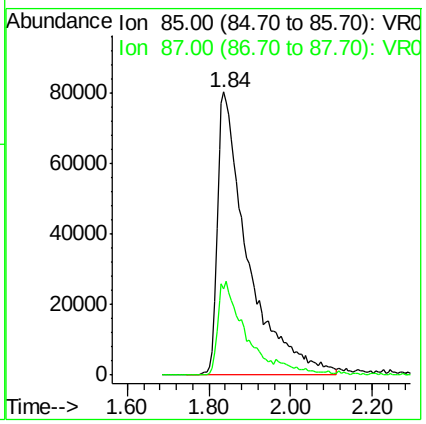


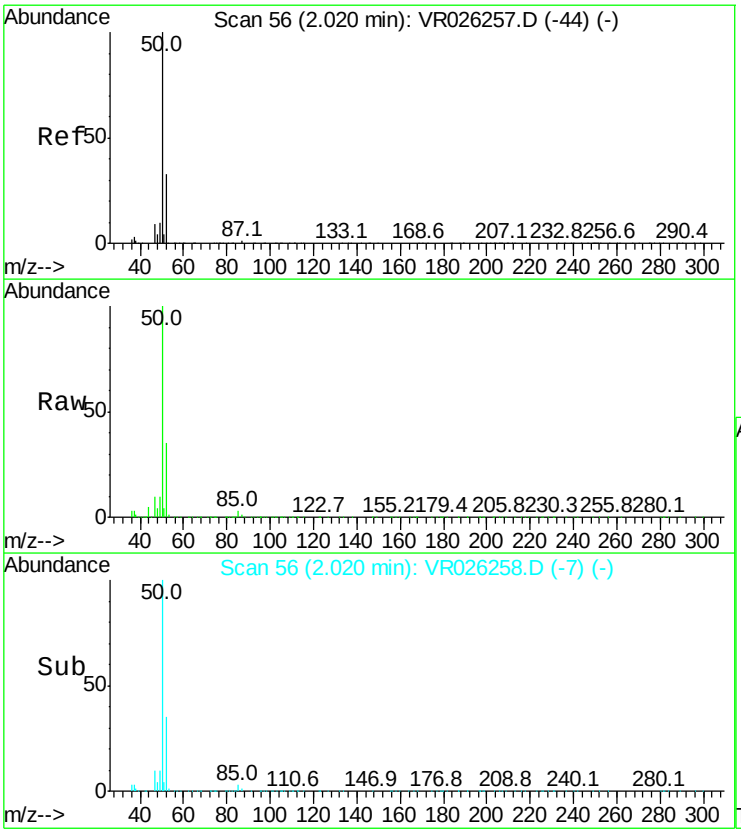

#2
Dichlorodifluoromethane
Concen: 10.246 ug/L
RT: 1.84 min Scan# 26
Delta R.T. -0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion: 85 Resp: 417779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 28.2 | 25.6 | 38.4 |

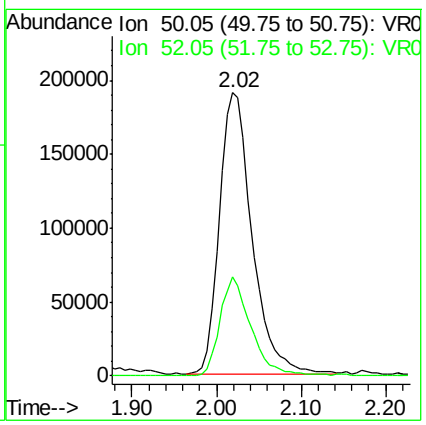


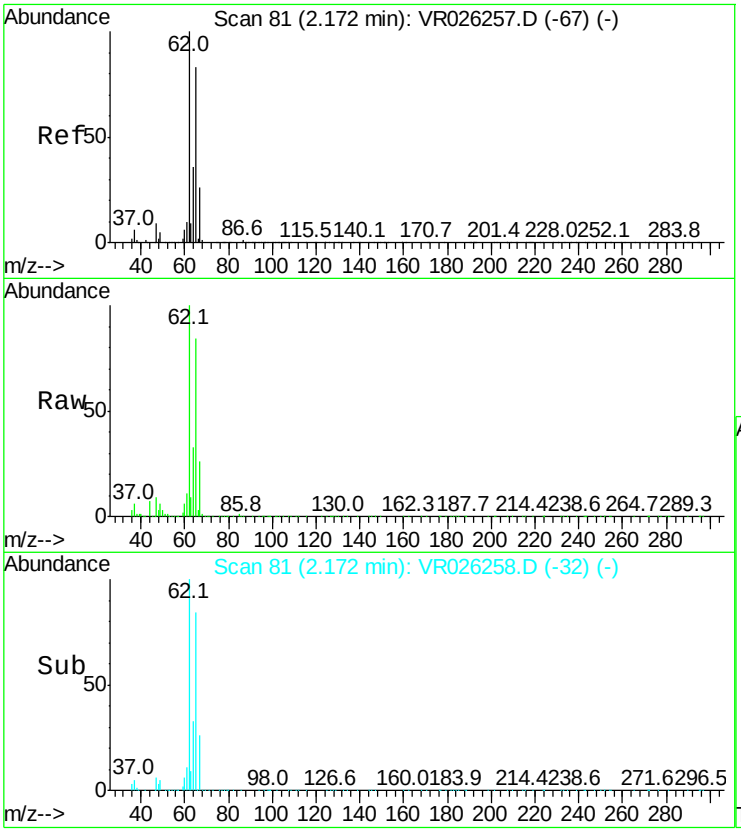




#3
Chloromethane
Concen: 9.643 ug/L
RT: 2.02 min Scan# 56
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion: 50 Resp: 505120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.9 | 23.0 | 42.8 |



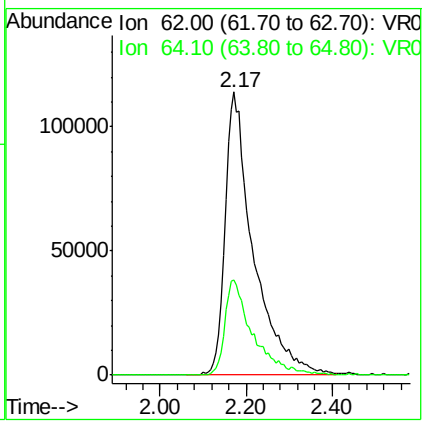


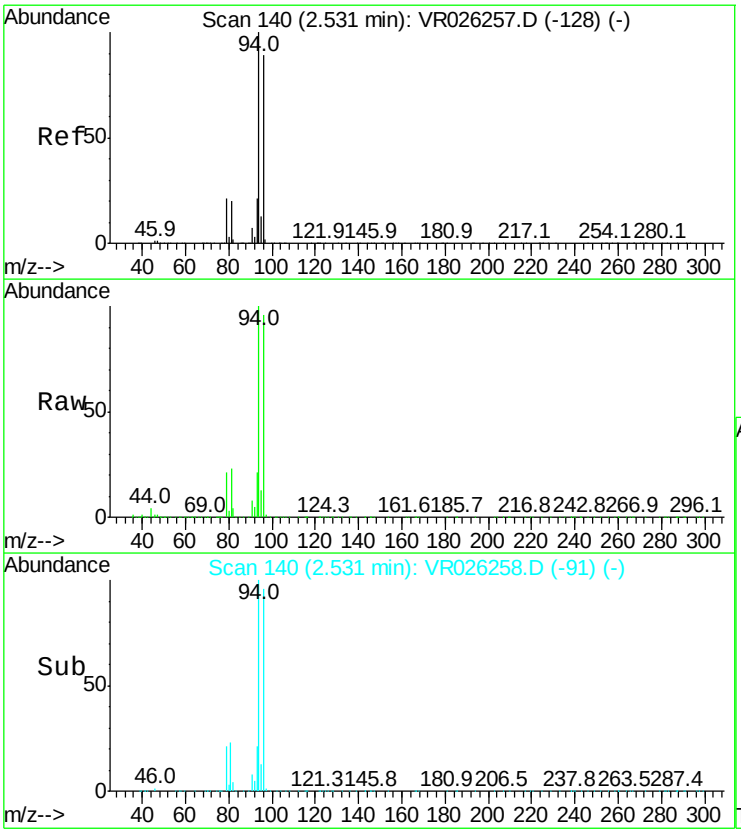

#5
Vinyl chloride
Concen: 10.153 ug/L
RT: 2.17 min Scan# 81
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion: 62 Resp: 522933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.5 | 25.1 | 46.7 |

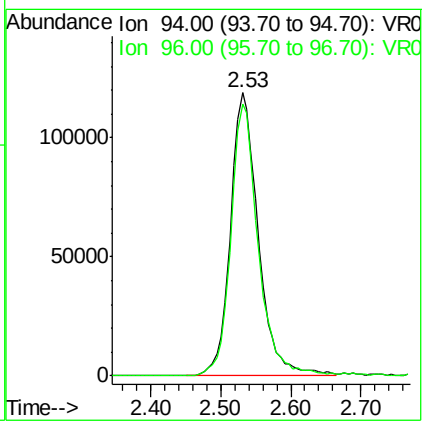


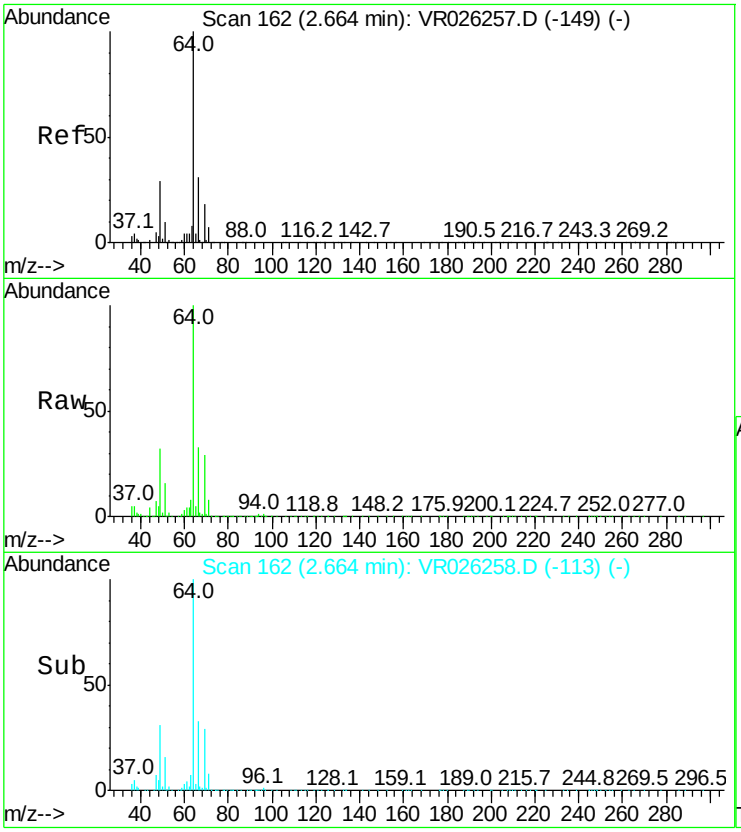




#6
Bromomethane
Concen: 9.499 ug/L
RT: 2.53 min Scan# 140
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion: 94 Resp: 327482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.8 | 62.4 | 115.8 |



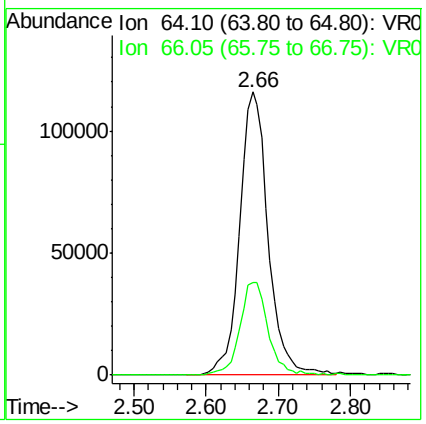


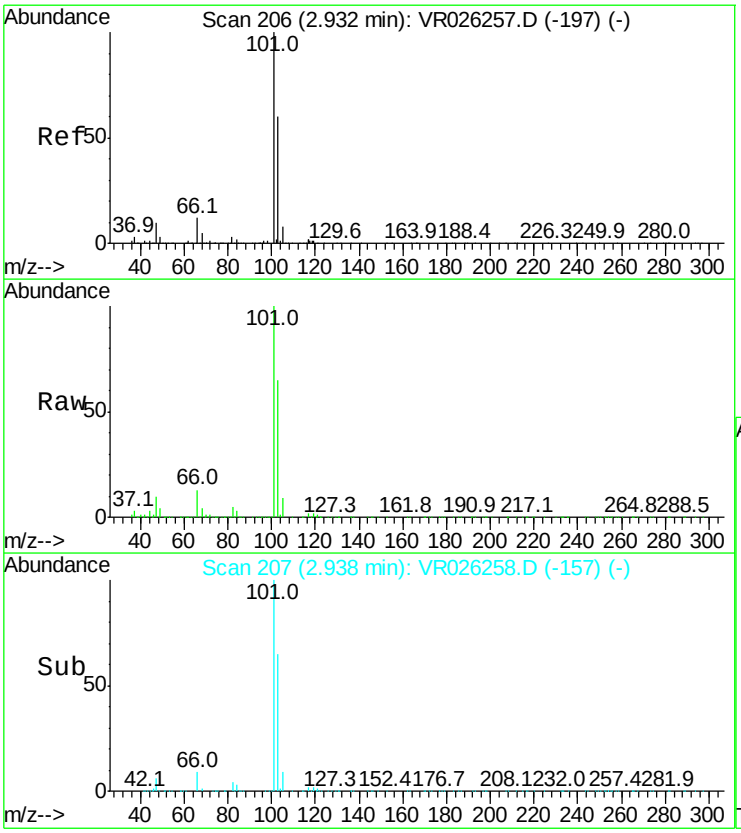

#8
Chloroethane
Concen: 9.826 ug/L
RT: 2.66 min Scan# 162
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion: 64 Resp: 316557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.9 | 21.9 | 40.7 |

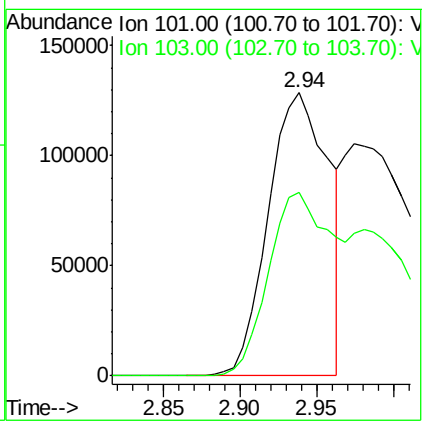


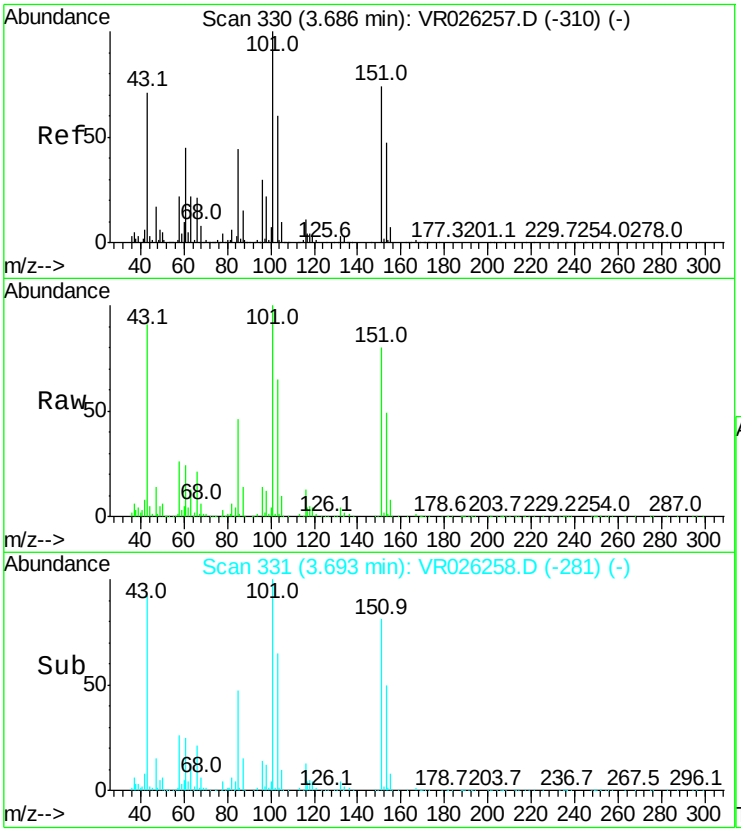




#9
Trichlorofluoromethane
Concen: 4.494 ug/L
RT: 2.94 min Scan# 207
Delta R.T. 0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion:101 Resp: 351434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 71.0 | 18.6 | 28.0# |



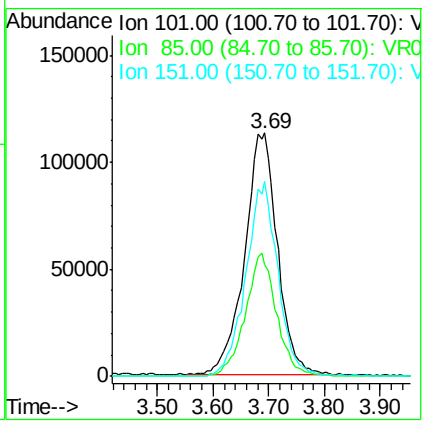


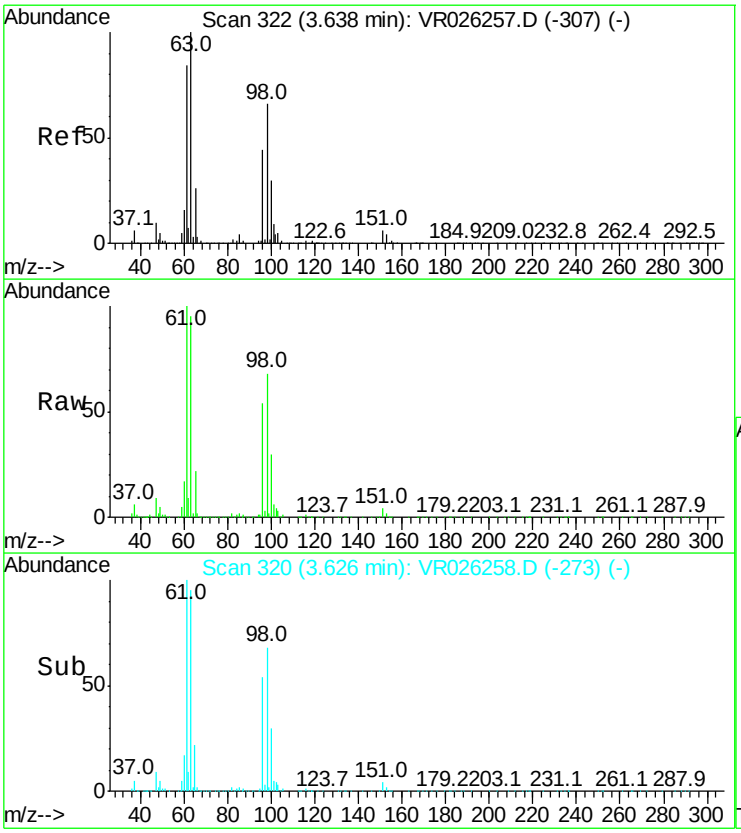

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.400 ug/L
RT: 3.69 min Scan# 331
Delta R.T. 0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion:101 Resp: 467139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.9 | 37.0 | 55.6 |
| 151 | 77.7 | 61.1 | 91.7 |

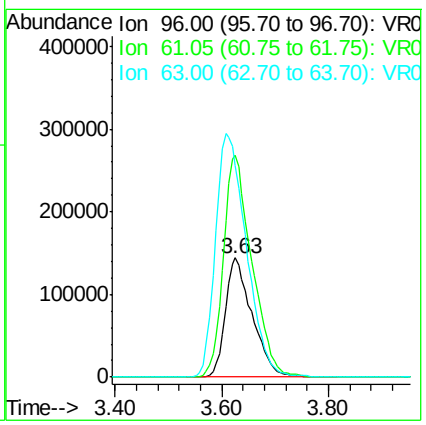


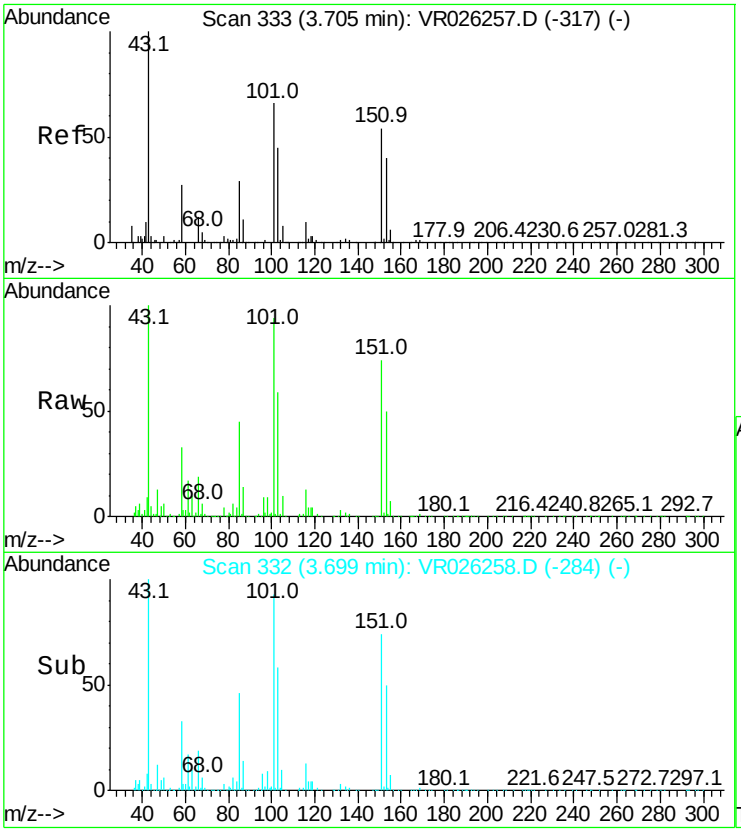




#12
1,1-Dichloroethene
Concen: 10.329 ug/L
RT: 3.63 min Scan# 320
Delta R.T. -0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion: 96 Resp: 504706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 185.8 | 135.5 | 251.7 |
| 63 | 177.2 | 160.5 | 298.1 |



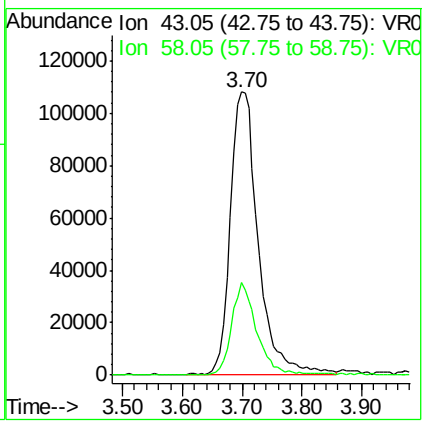


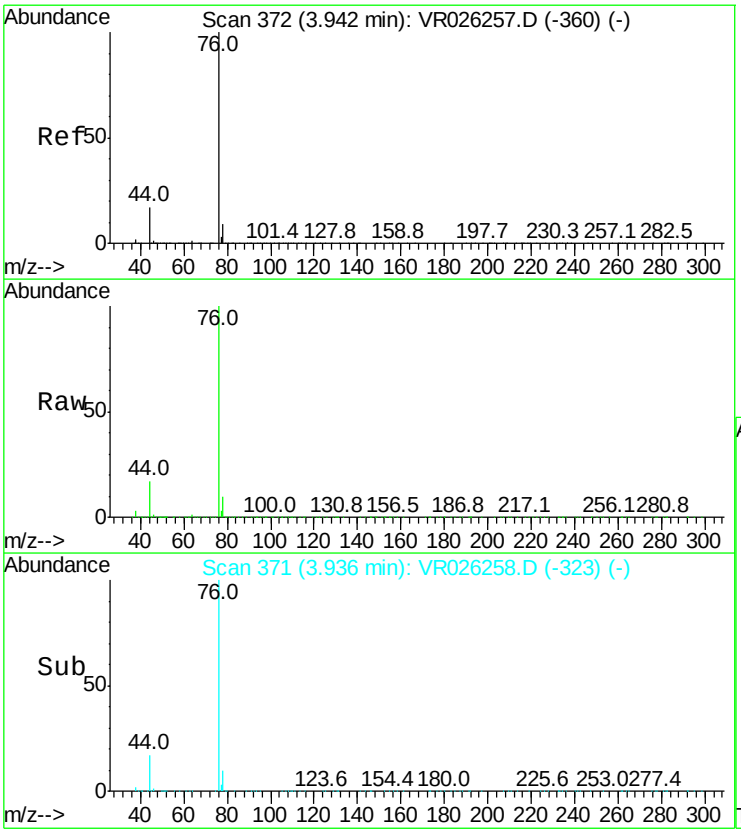

#13
Acetone
Concen: 113.376 ug/L
RT: 3.70 min Scan# 332
Delta R.T. -0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion: 43 Resp: 350536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.6 | 0.0 | 57.0 |

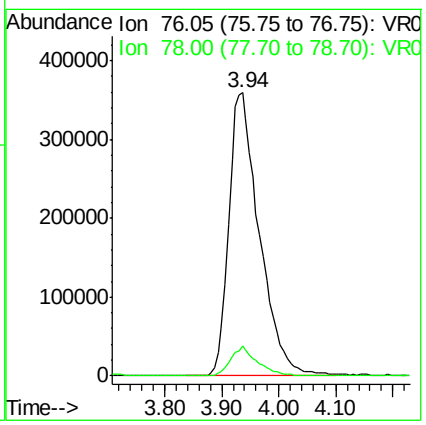


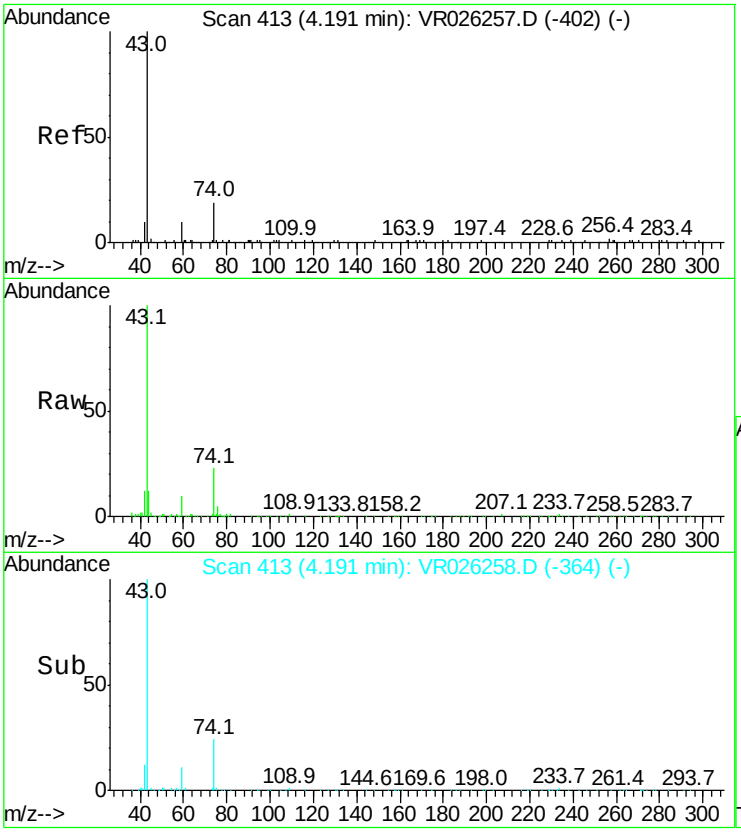




#14
Carbon disulfide
Concen: 10.954 ug/L
RT: 3.94 min Scan# 371
Delta R.T. -0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion: 76 Resp: 1336428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.4 | 7.7 | 11.5 |



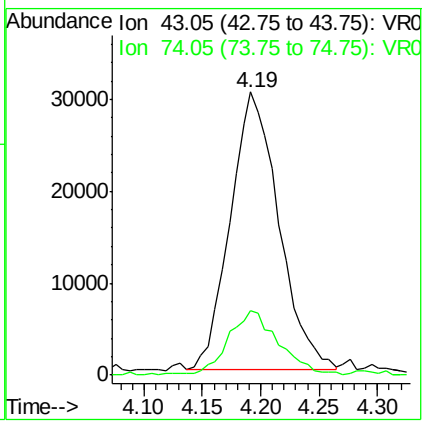


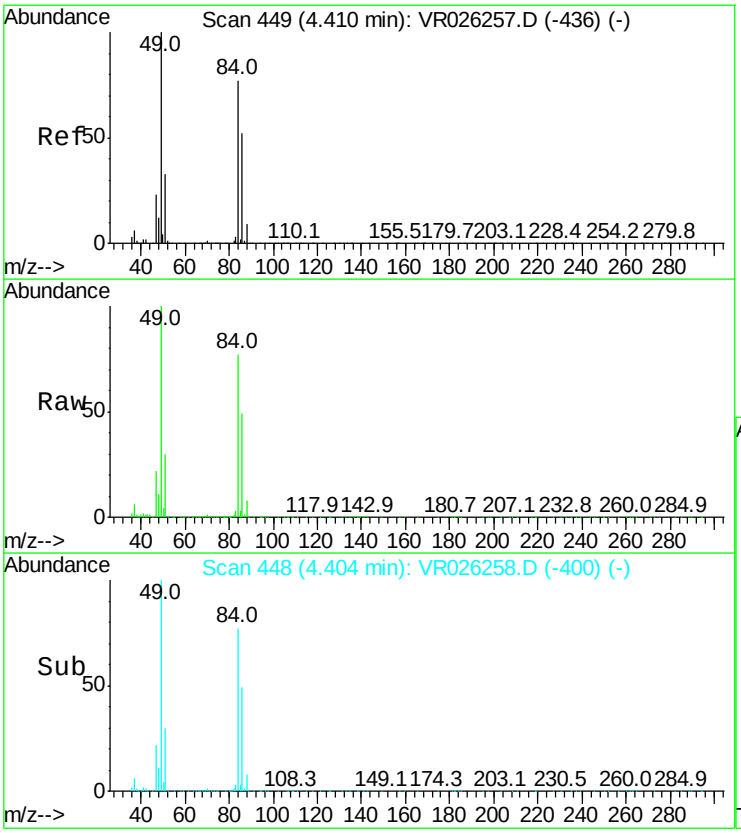

#15
Methyl Acetate
Concen: 9.682 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion: 43 Resp: 86866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.4 | 21.0 | 31.4 |

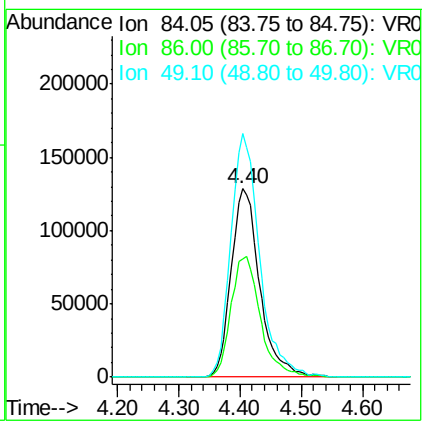


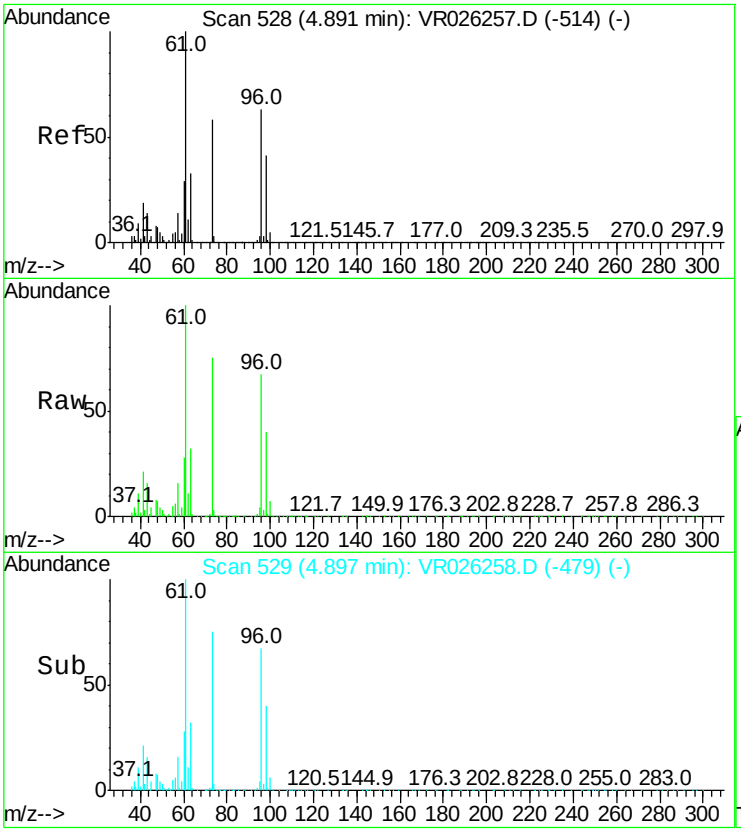




#16
Methylene chloride
Concen: 9.494 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion: 84 Resp: 414860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 62.8 | 46.8 | 87.0 |
| 49 | 129.2 | 90.8 | 168.6 |



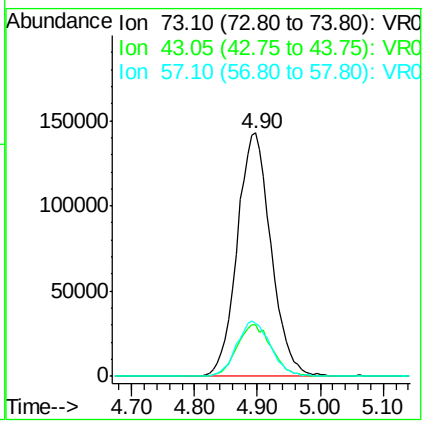


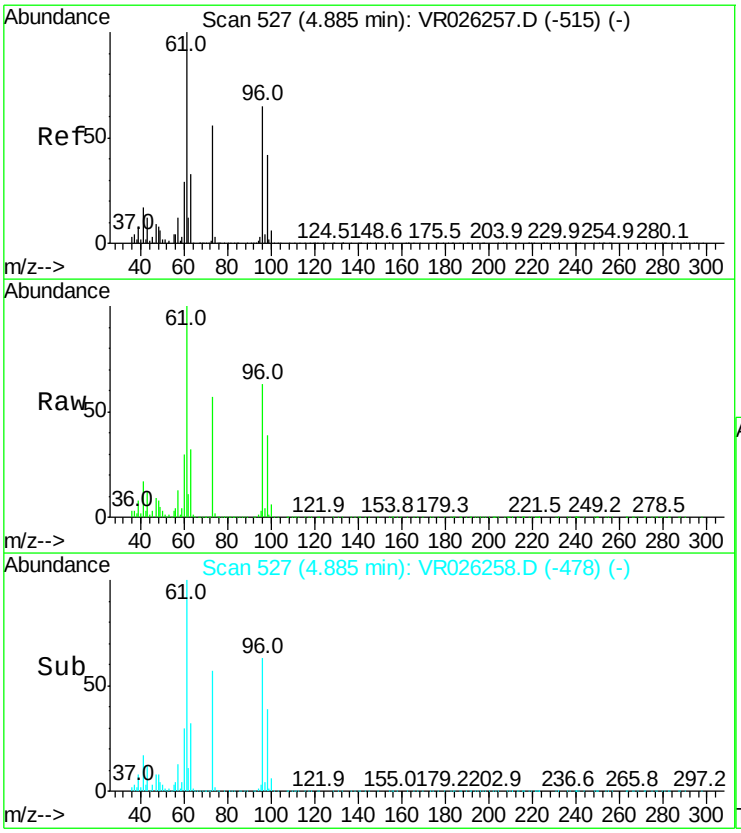

#17
Methyl tert-butyl Ether
Concen: 10.487 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD01099

Tgt Ion: 73 Resp: 529964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 22.1 | 19.0 | 28.6 |
| 57 | 22.6 | 18.6 | 28.0 |

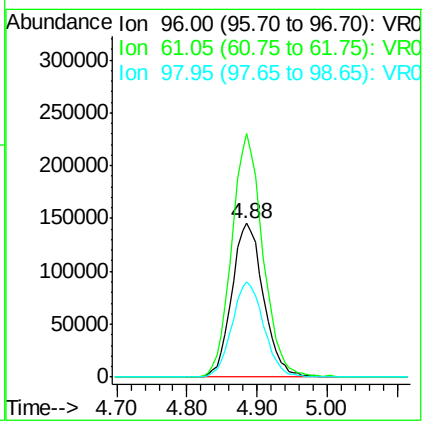


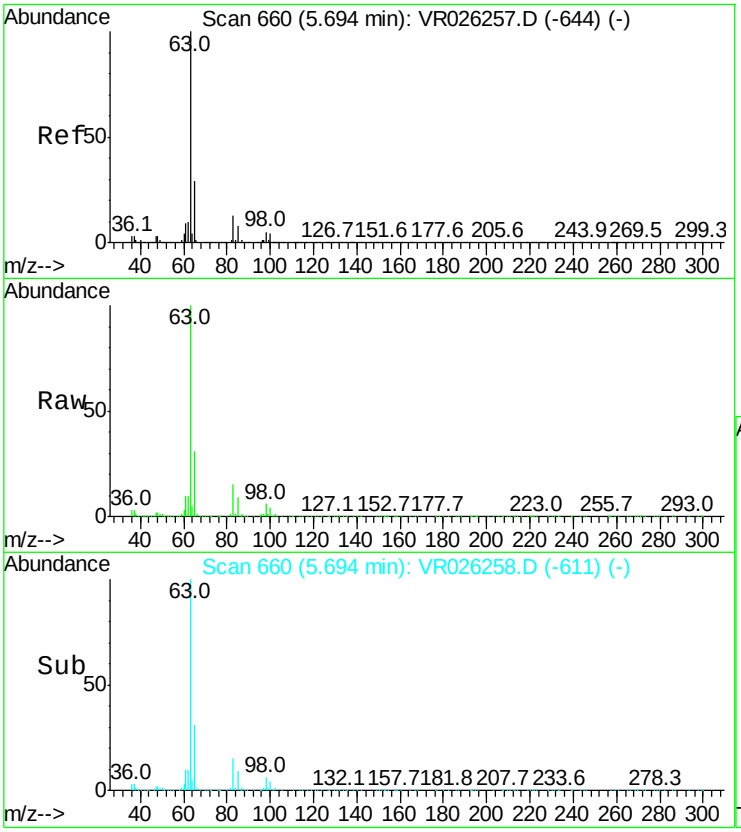




#18
trans-1,2-Dichloroethene
Concen: 10.173 ug/L
RT: 4.88 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion: 96 Resp: 456691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 158.1 | 108.4 | 201.4 |
| 98 | 61.8 | 45.2 | 84.0 |



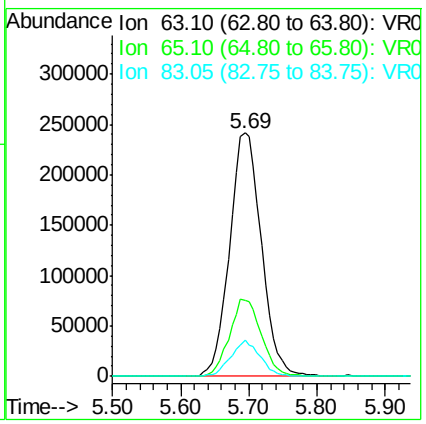


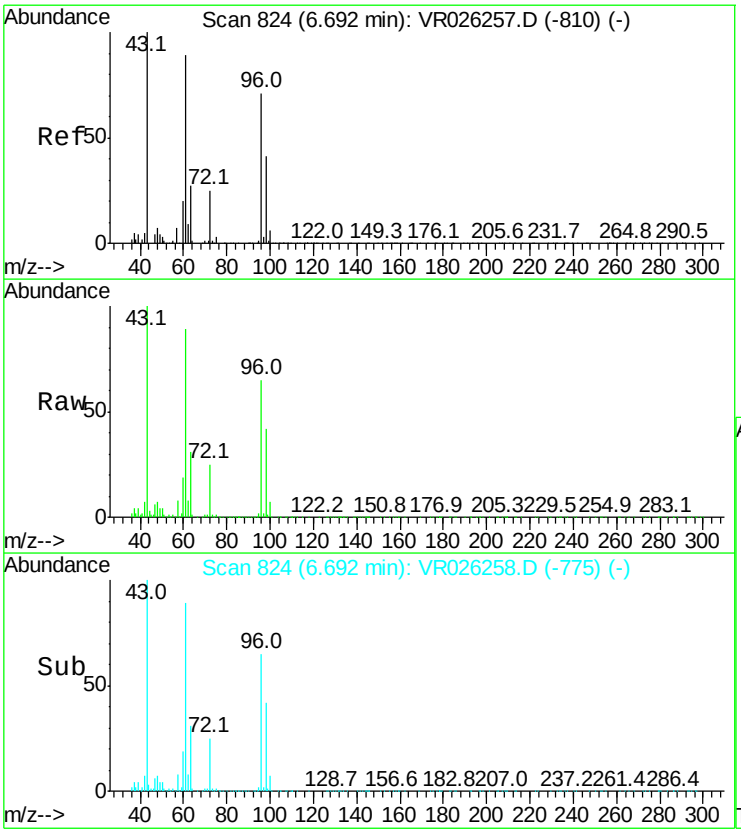

#19
1,1-Dichloroethane
Concen: 9.700 ug/L
RT: 5.69 min Scan# 660
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD01099

Tgt Ion: 63 Resp: 781529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.4 | 20.0 | 37.2 |
| 83 | 14.9 | 8.9 | 16.5 |

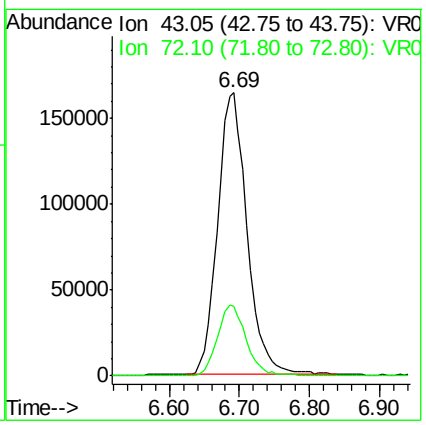


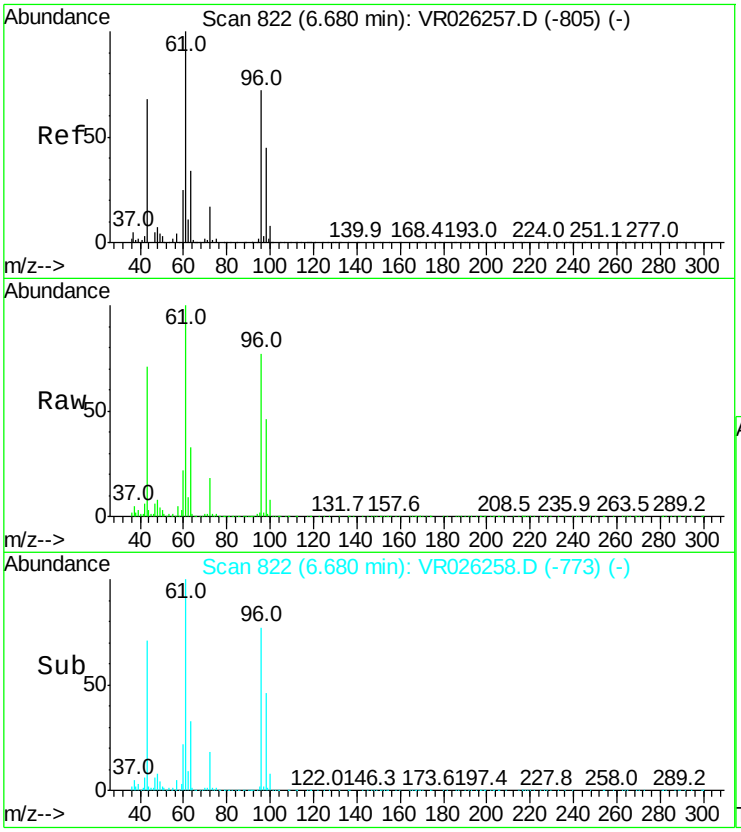




#21
2-Butanone
Concen: 109.730 ug/L
RT: 6.69 min Scan# 824
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion: 43 Resp: 477614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.8 | 12.3 | 36.8 |



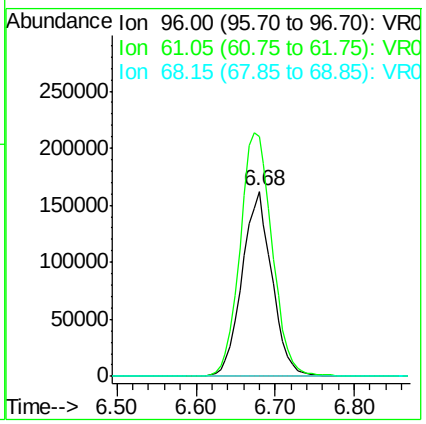


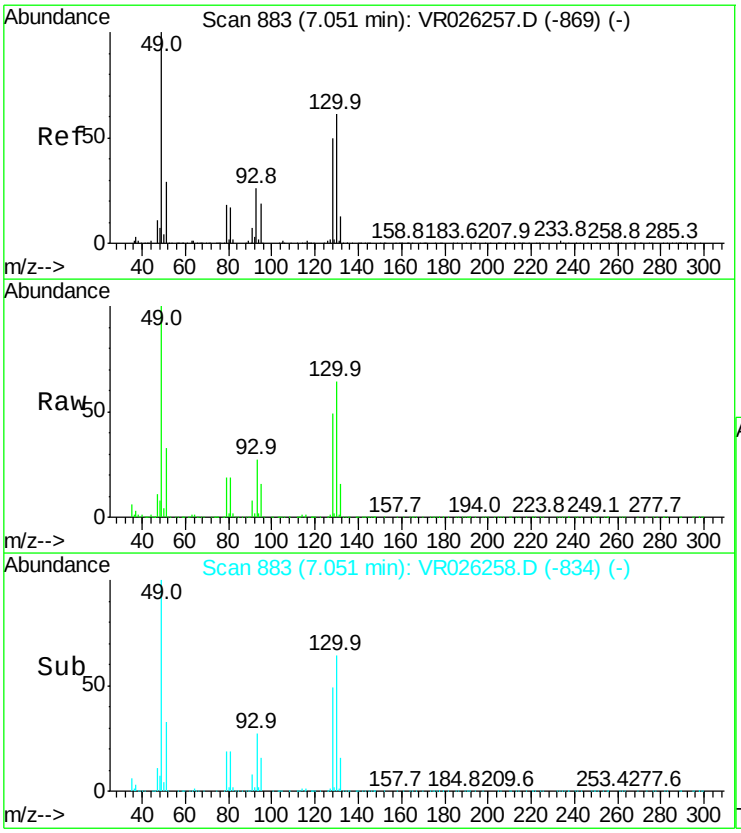

#22
cis-1,2-Dichloroethene
Concen: 10.550 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion: 96 Resp: 426831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 129.3 | 97.6 | 181.4 |
| 68 | 0.1 | 0.0 | 0.0# |

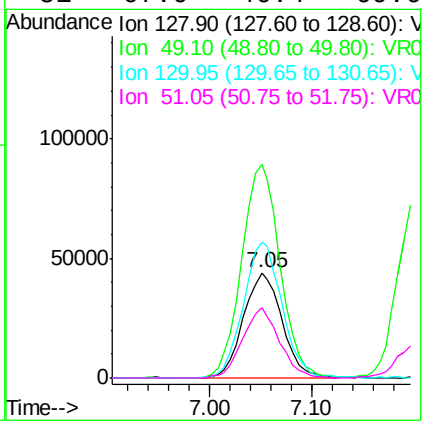


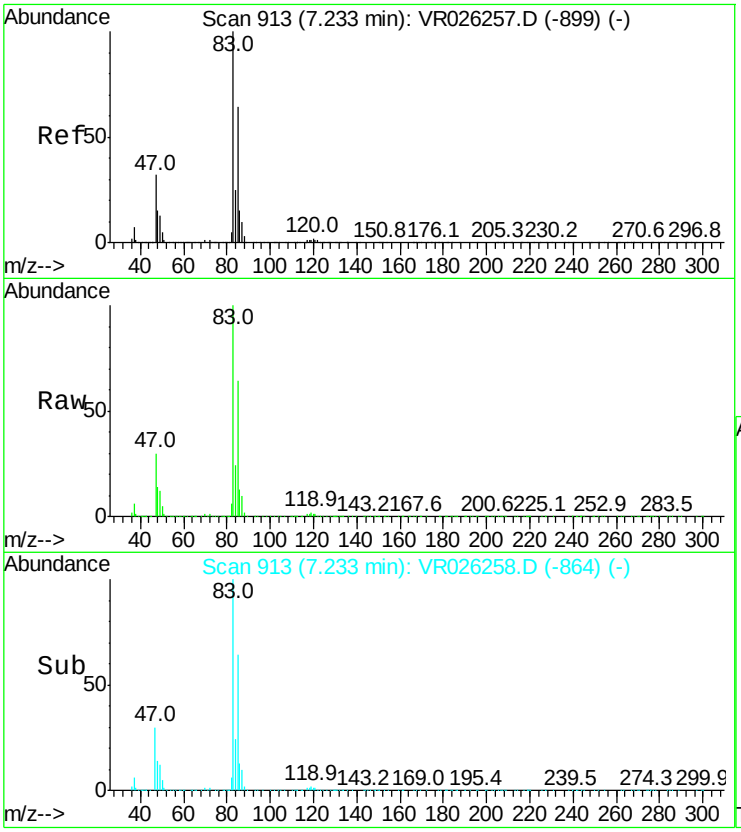




#23
Bromochloromethane
Concen: 9.461 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion:128 Resp: 115226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 203.5 | 140.3 | 260.6 |
| 130 | 129.5 | 85.2 | 158.2 |
| 51 | 67.0 | 46.4 | 69.6 |



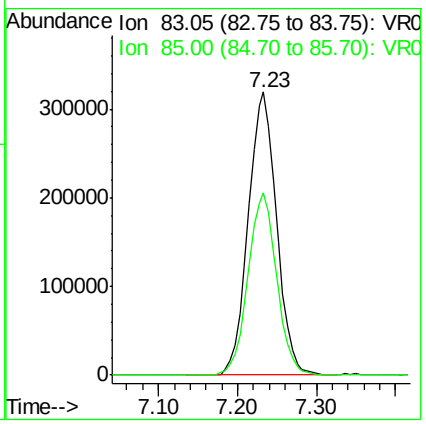


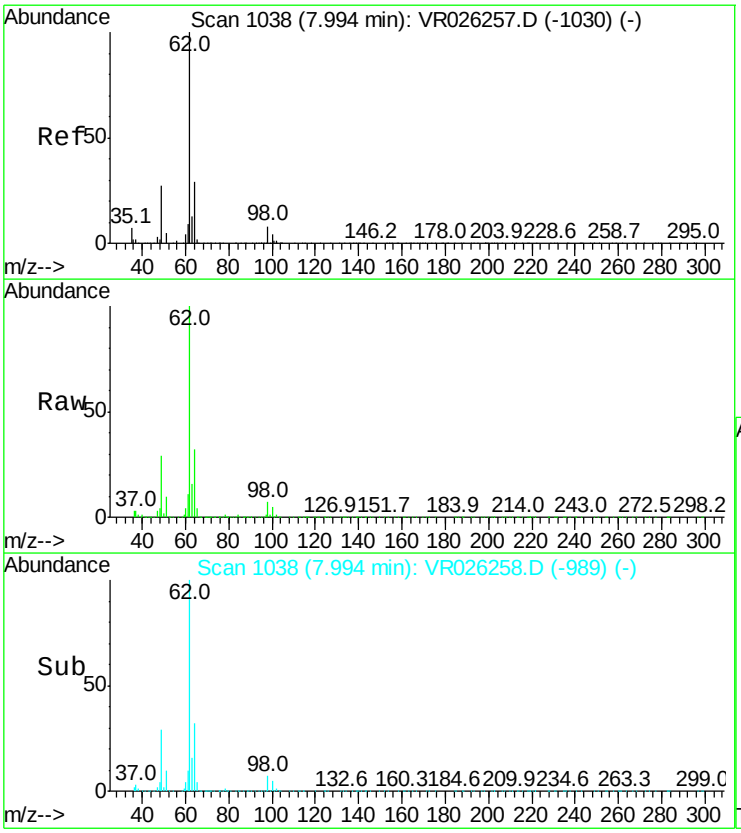

#25
Chloroform
Concen: 9.096 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion: 83 Resp: 794990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.2 | 45.1 | 83.9 |

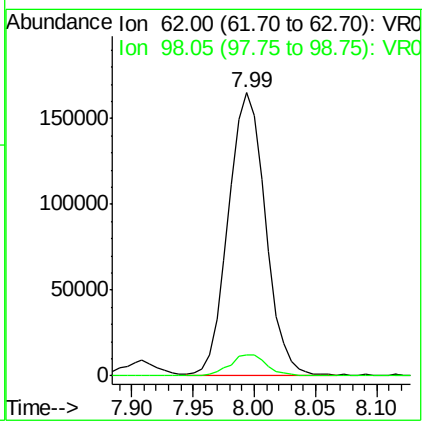


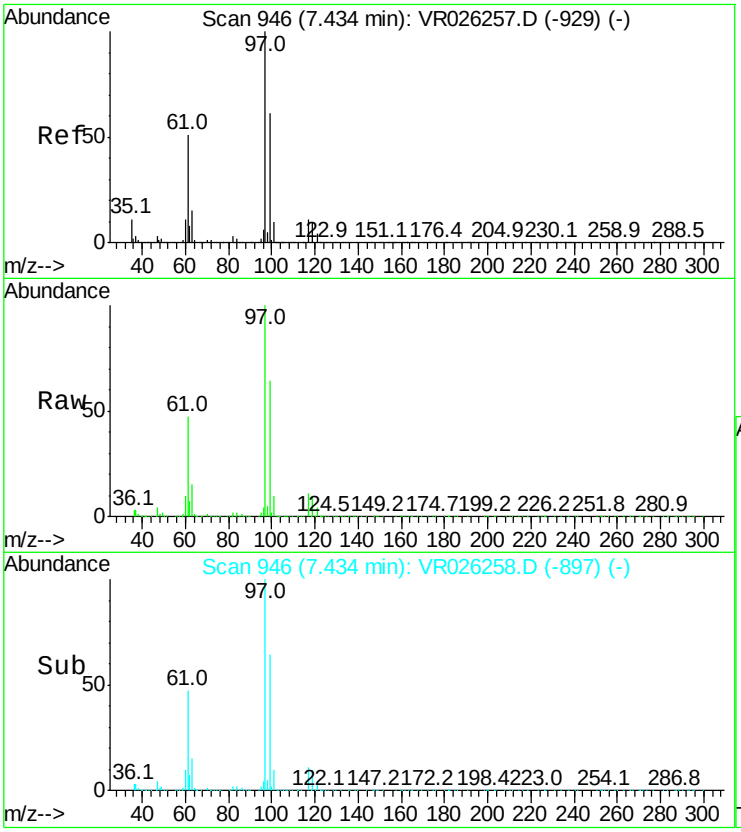




#27
1,2-Dichloroethane
Concen: 9.722 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion: 62 Resp: 346025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.3 | 6.0 | 9.0 |



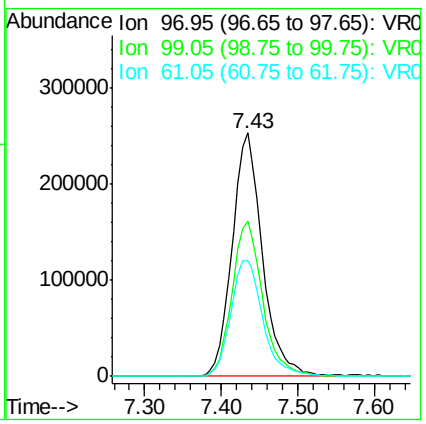


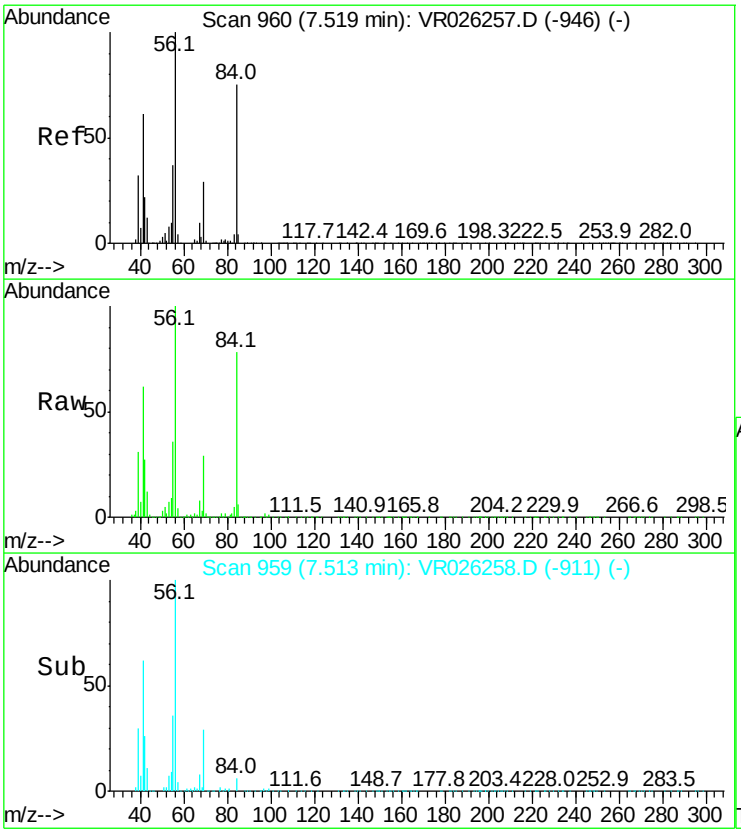

#29
1,1,1-Trichloroethane
Concen: 9.525 ug/L
RT: 7.43 min Scan# 946
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion: 97 Resp: 691241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.2 | 50.7 | 76.1 |
| 61 | 50.7 | 40.2 | 60.4 |

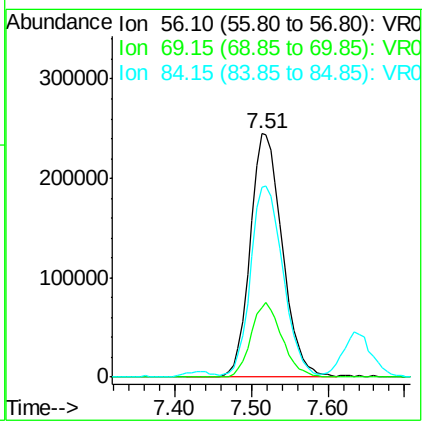


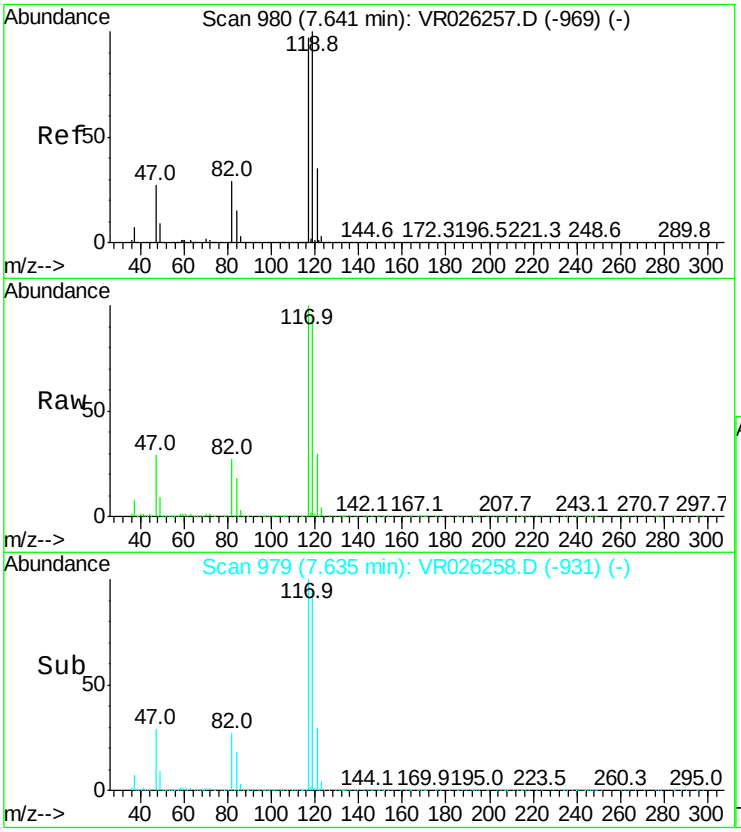




#30
Cyclohexane
Concen: 11.070 ug/L
RT: 7.51 min Scan# 959
Delta R.T. -0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion: 56 Resp: 714563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.5 | 23.8 | 35.8 |
| 84 | 79.3 | 62.4 | 93.6 |



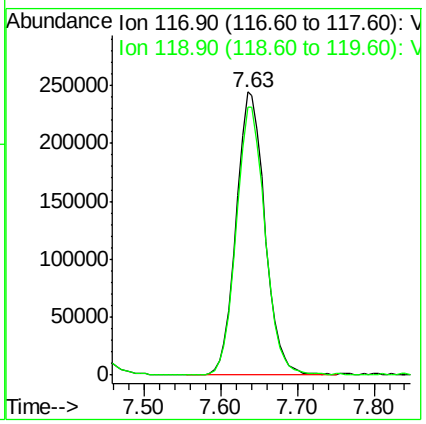


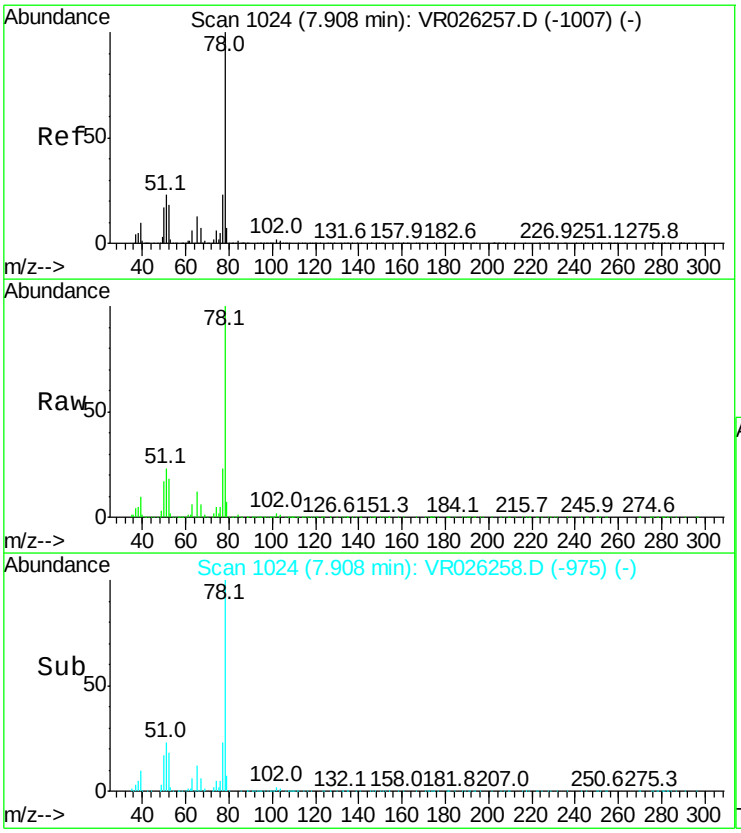

#31
Carbon tetrachloride
Concen: 9.613 ug/L
RT: 7.63 min Scan# 979
Delta R.T. -0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion:117 Resp: 634064

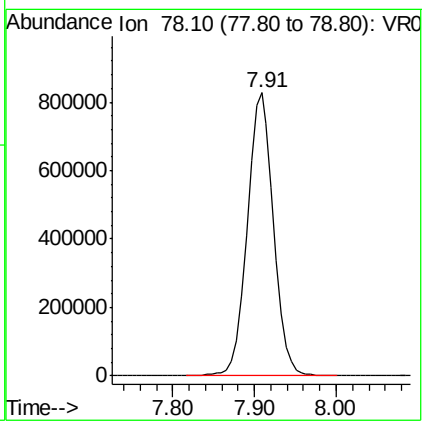
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.2 | 77.0 | 115.4 |

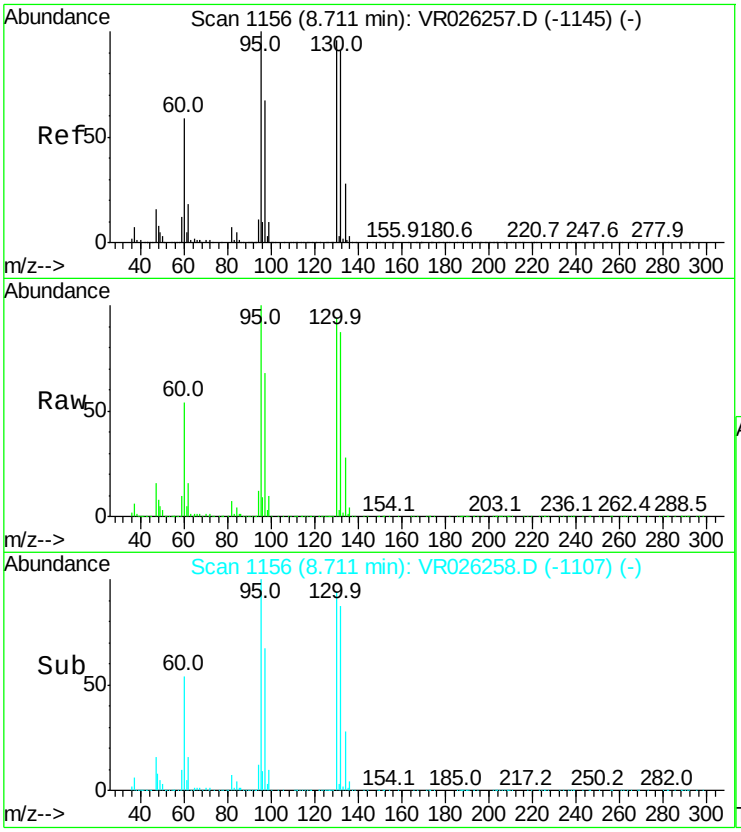



#33
Benzene
Concen: 9.868 ug/L
RT: 7.91 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion: 78 Resp: 1850722



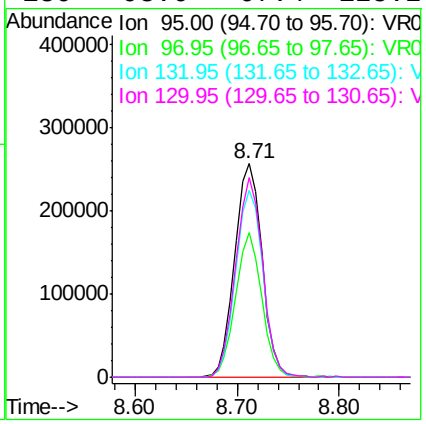


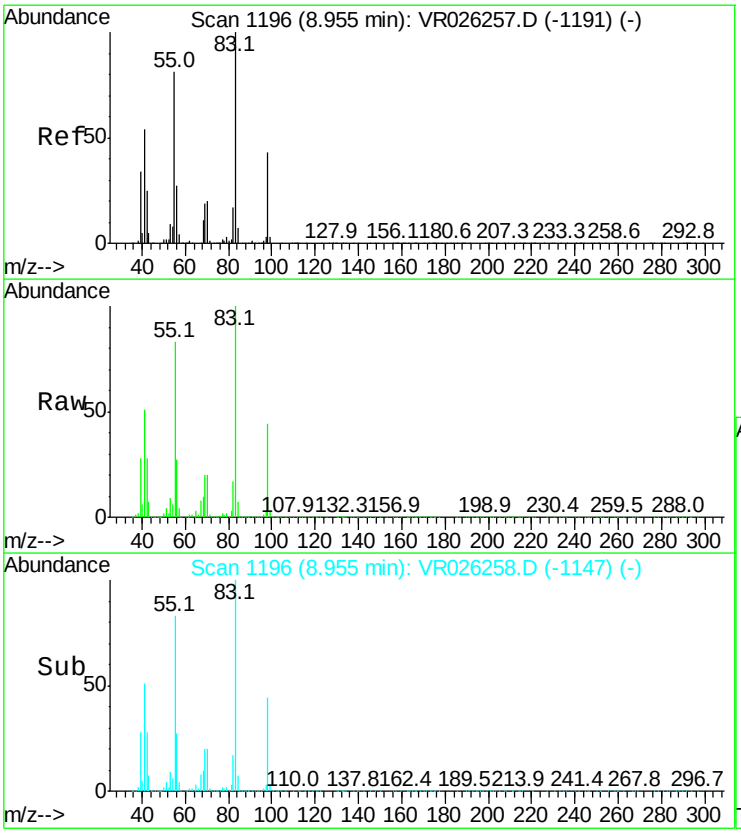

#34
Trichloroethene
Concen: 9.609 ug/L
RT: 8.71 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion: 95 Resp: 477305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 67.5 | 46.8 | 87.0 |
| 132 | 87.5 | 63.9 | 118.7 |
| 130 | 93.6 | 67.4 | 125.2 |

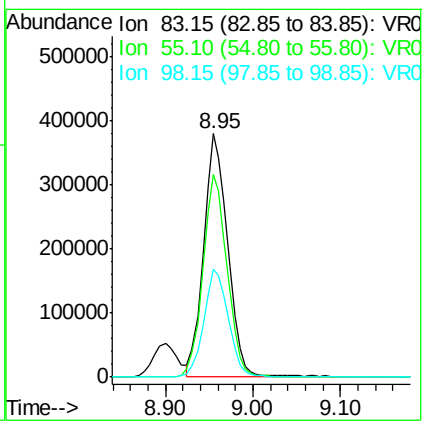


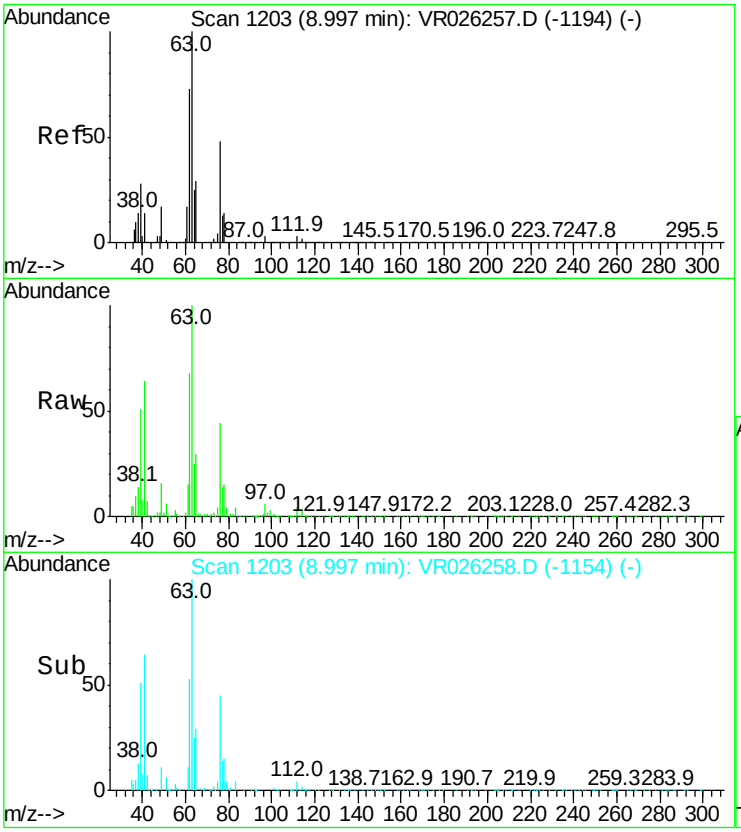




#35
Methylcyclohexane
Concen: 10.923 ug/L
RT: 8.95 min Scan# 1196
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion: 83 Resp: 722460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 83.4 | 66.8 | 100.2 |
| 98 | 44.4 | 34.8 | 52.2 |



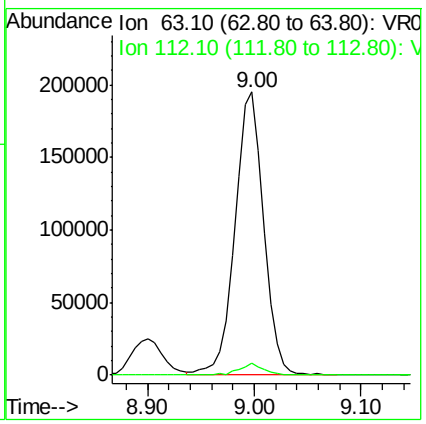


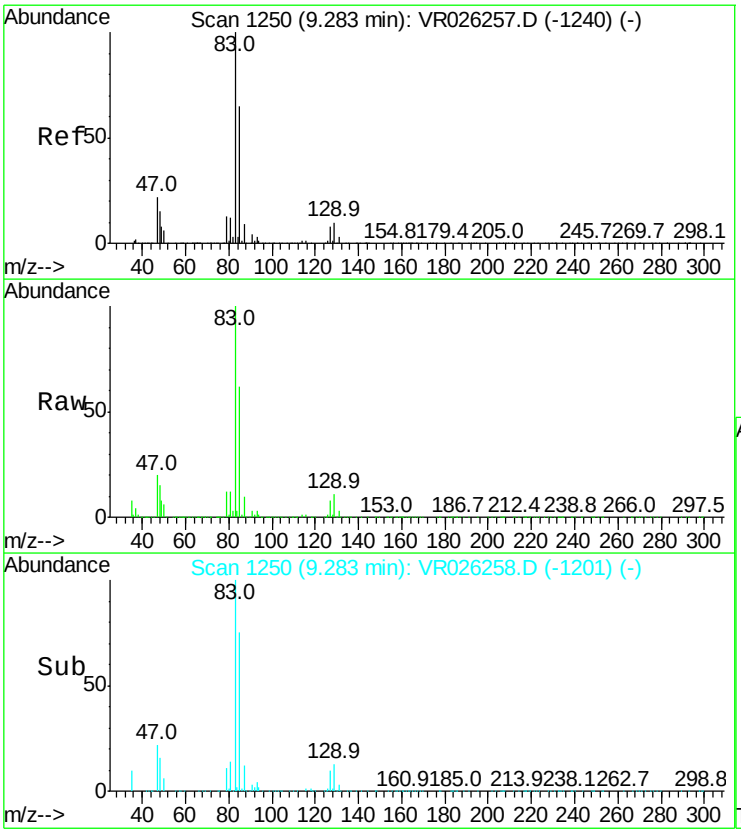

#37
1,2-Dichloropropane
Concen: 9.445 ug/L
RT: 9.00 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD01099

Tgt Ion: 63 Resp: 366630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 3.7 | 3.0 | 4.6 |

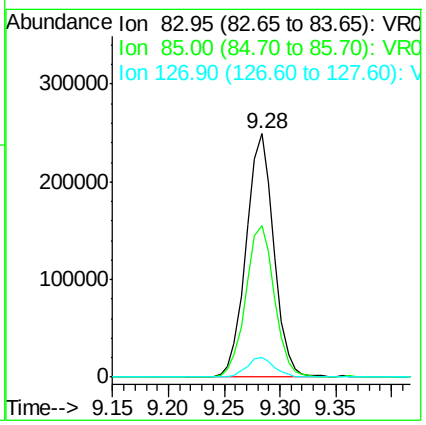


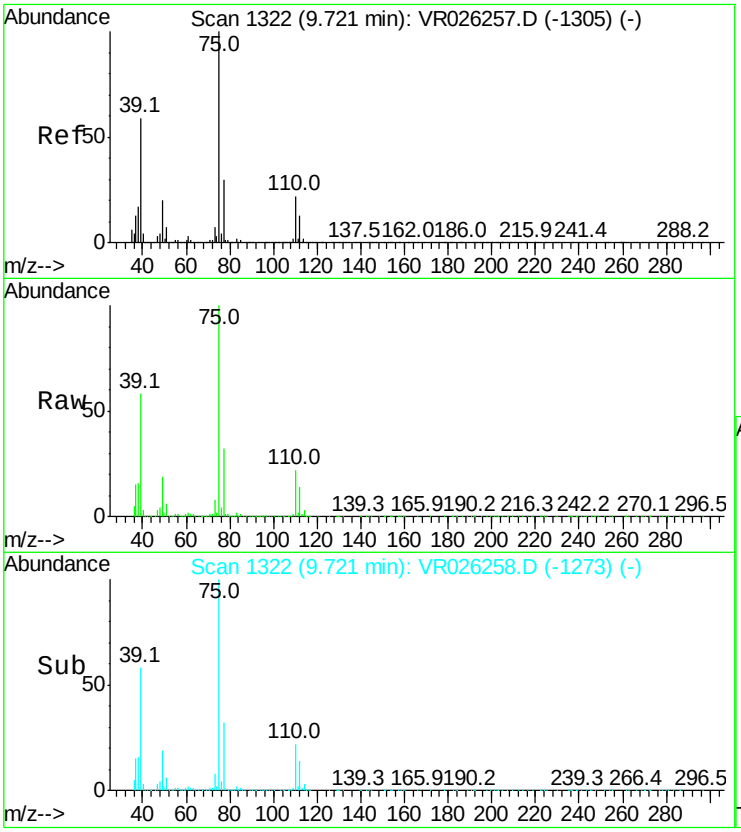




#38
Bromodichloromethane
Concen: 9.484 ug/L
RT: 9.28 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion: 83 Resp: 429667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.2 | 45.5 | 84.5 |
| 127 | 7.9 | 6.3 | 9.5 |



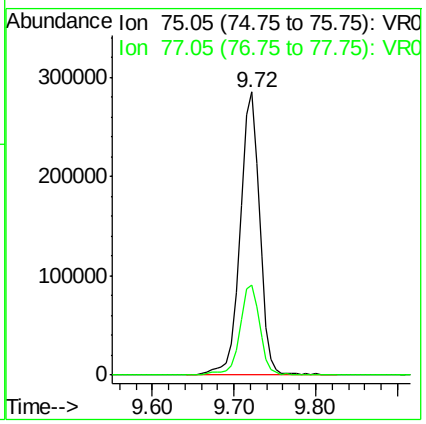


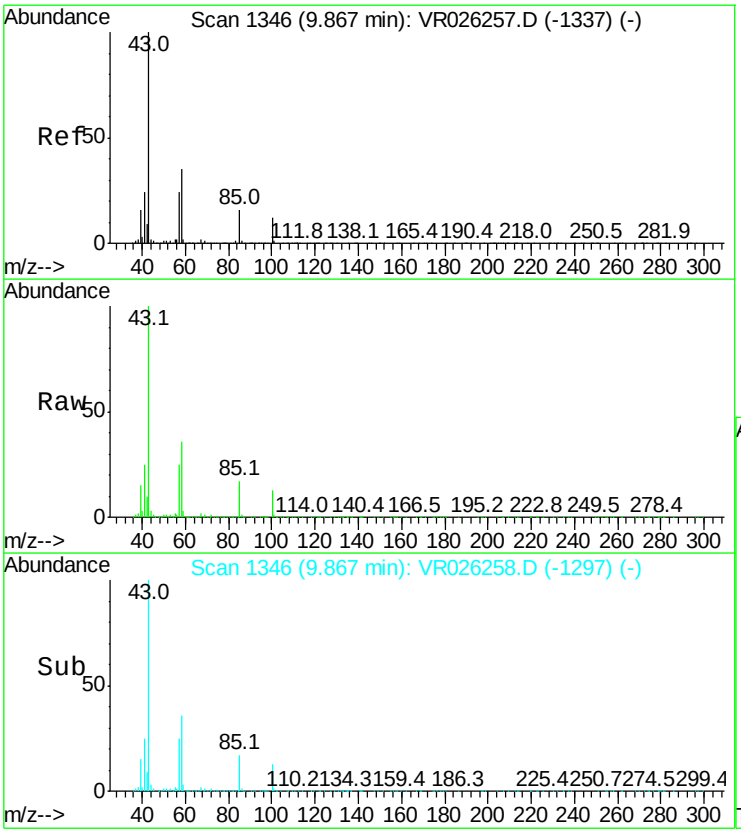

#39
cis-1,3-Dichloropropene
Concen: 10.564 ug/L
RT: 9.72 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion: 75 Resp: 470676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 20.9 | 38.7 |

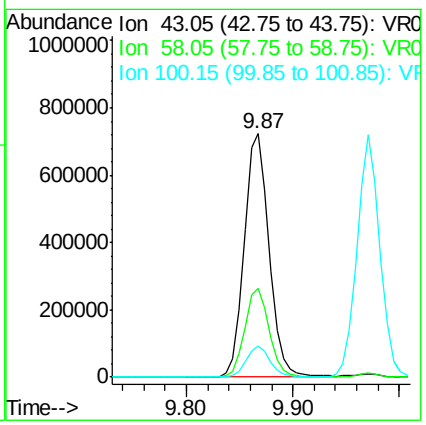


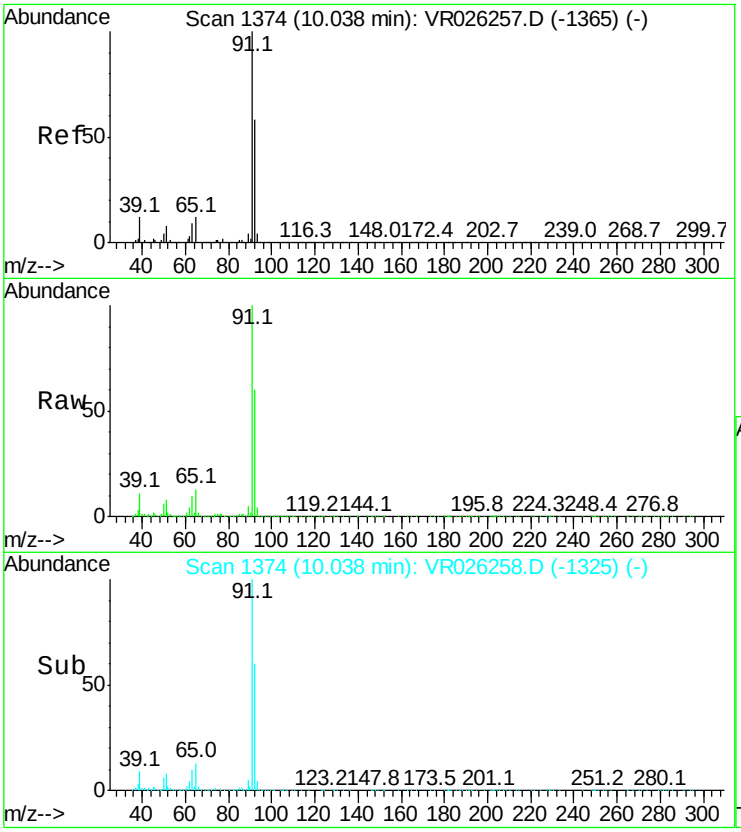




#40
4-Methyl-2-pentanone
Concen: 109.849 ug/L
RT: 9.87 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion: 43 Resp: 1184923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.6 | 28.6 | 42.8 |
| 100 | 12.3 | 10.0 | 15.0 |



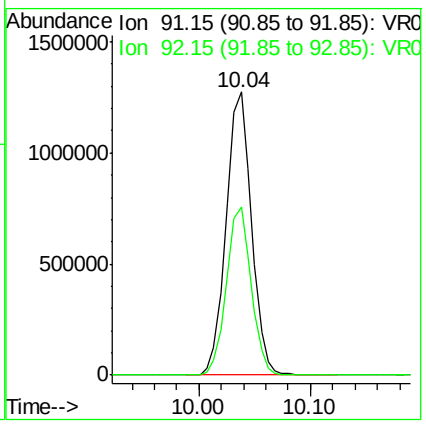


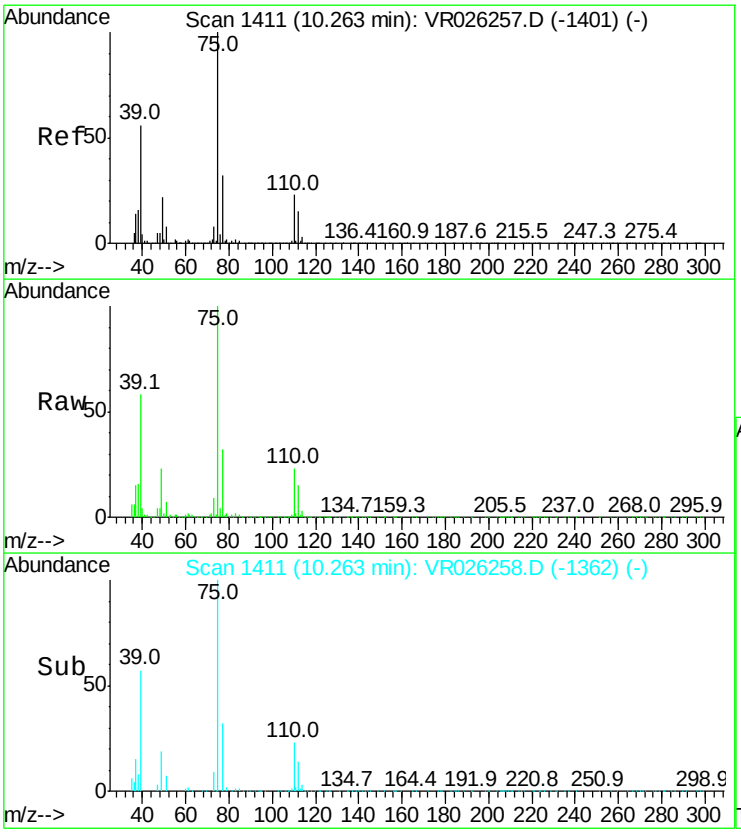

#42
Toluene
Concen: 8.944 ug/L
RT: 10.04 min Scan# 1374
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD01099

Tgt Ion: 91 Resp: 2003970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.6 | 40.5 | 75.1 |

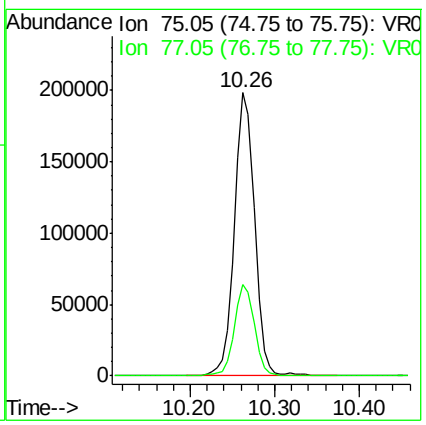


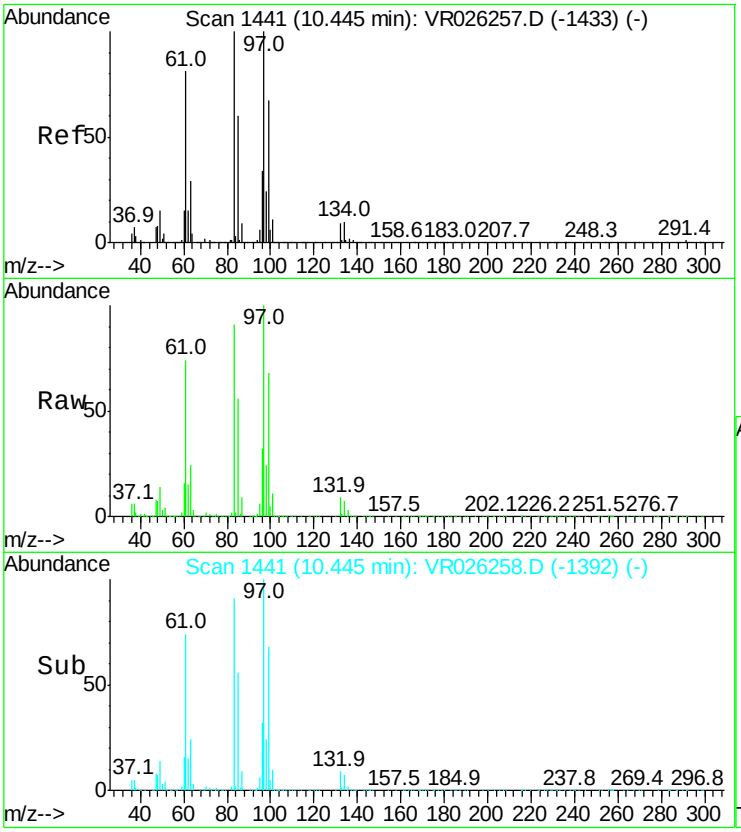




#44
trans-1,3-Dichloropropene
Concen: 10.516 ug/L
RT: 10.26 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion: 75 Resp: 319792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 22.4 | 41.6 |



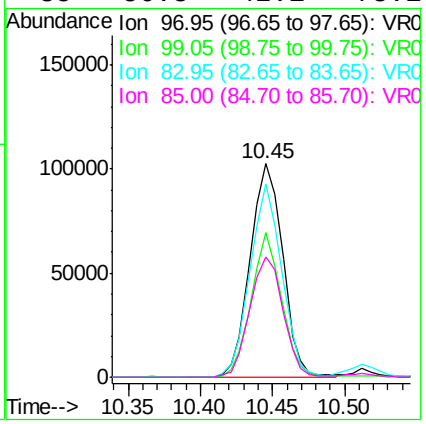


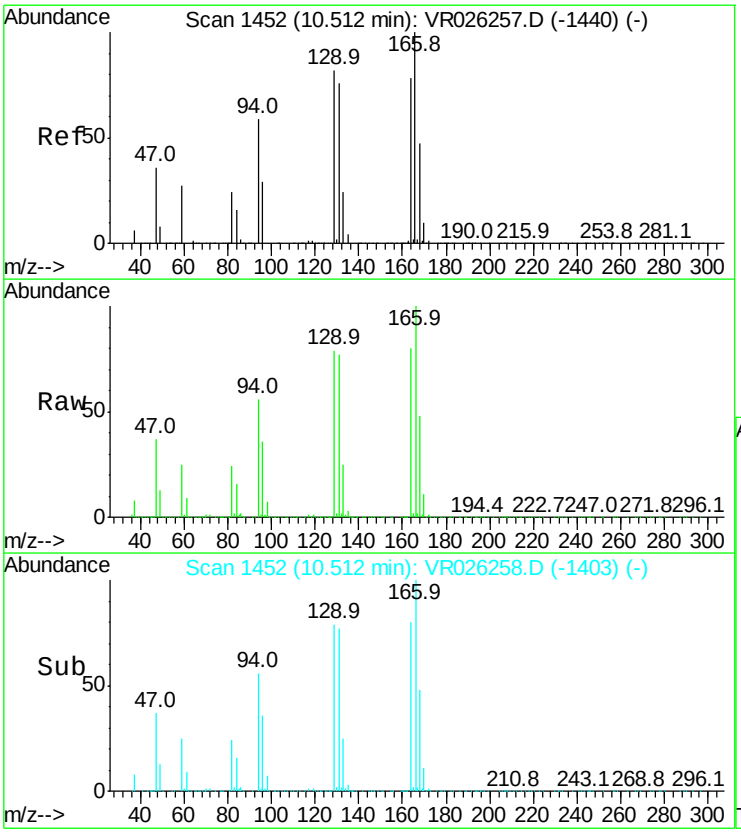

#45
1,1,2-Trichloroethane
Concen: 9.579 ug/L
RT: 10.45 min Scan# 1441
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD01099

Tgt Ion: 97 Resp: 159997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 68.0 | 46.8 | 86.8 |
| 83 | 90.6 | 70.1 | 130.3 |
| 85 | 56.3 | 42.1 | 78.1 |

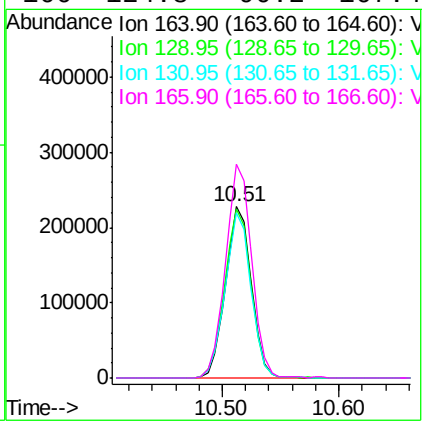


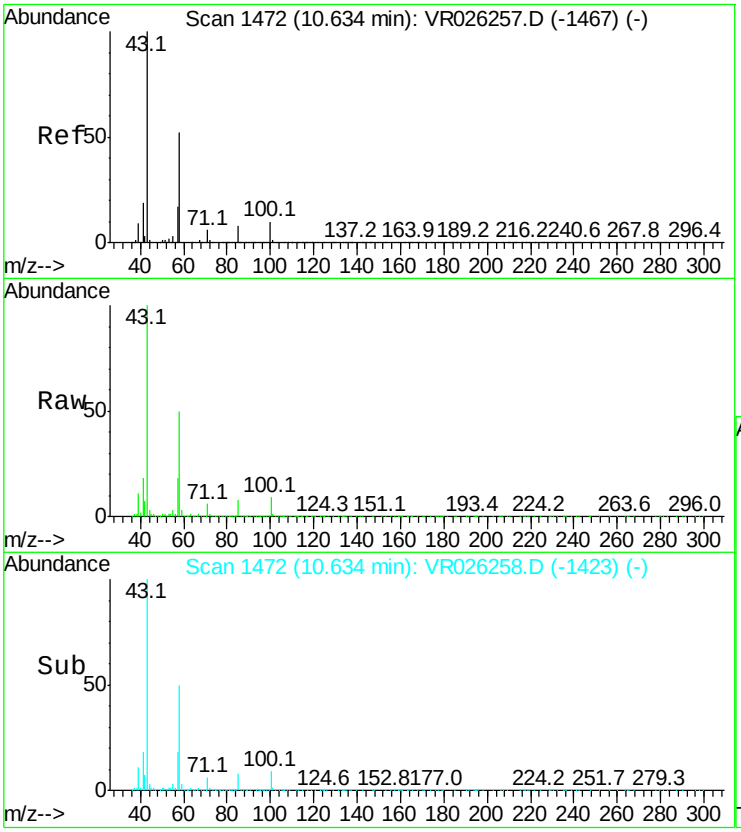




#47
Tetrachloroethene
Concen: 9.621 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion:164 Resp: 350976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 98.7 | 73.4 | 136.4 |
| 131 | 96.3 | 68.9 | 127.9 |
| 166 | 124.8 | 90.2 | 167.4 |



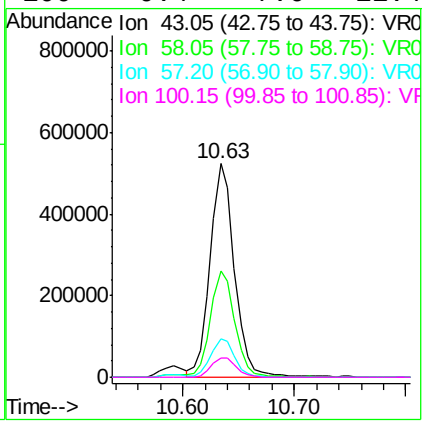


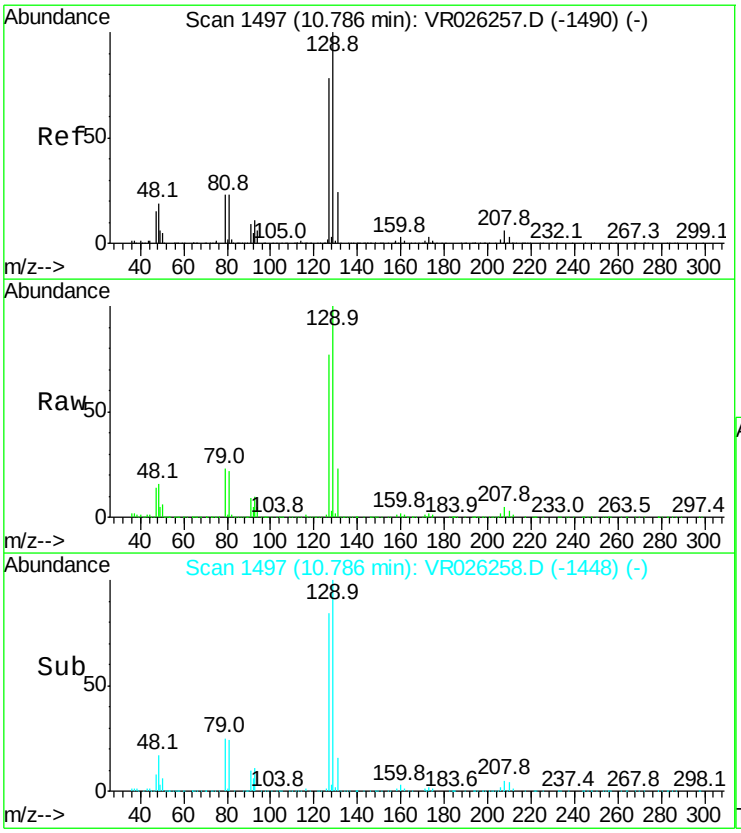

#48
2-Hexanone
Concen: 109.126 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD01099

Tgt Ion: 43 Resp: 790632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.3 | 40.4 | 60.6 |
| 57 | 18.0 | 14.2 | 21.2 |
| 100 | 9.4 | 7.6 | 11.4 |

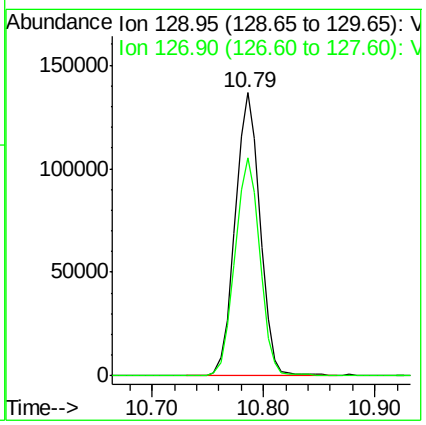


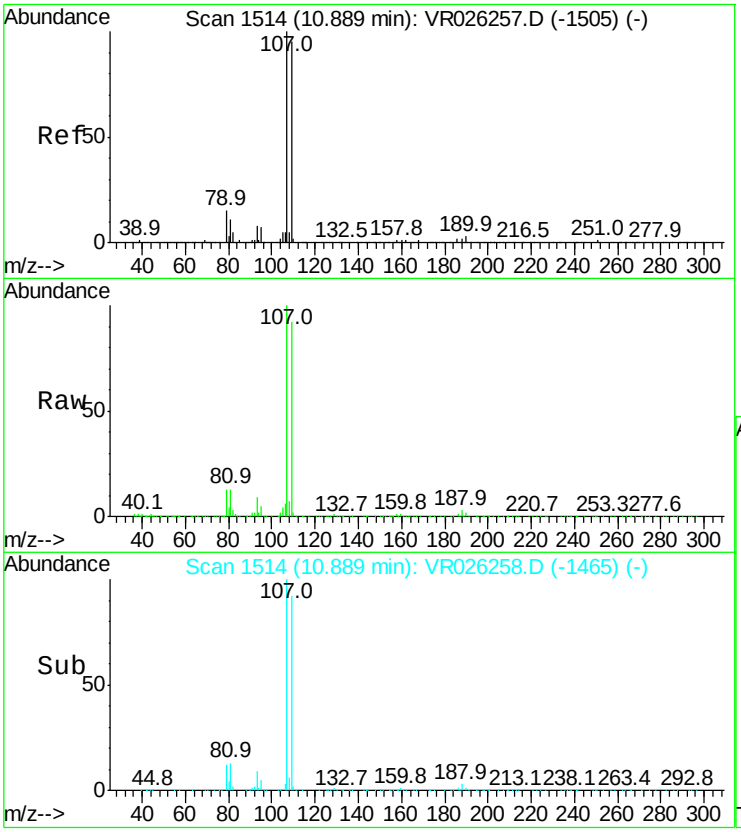




#49
Dibromochloromethane
Concen: 10.399 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion:129 Resp: 211106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.0 | 54.6 | 101.4 |



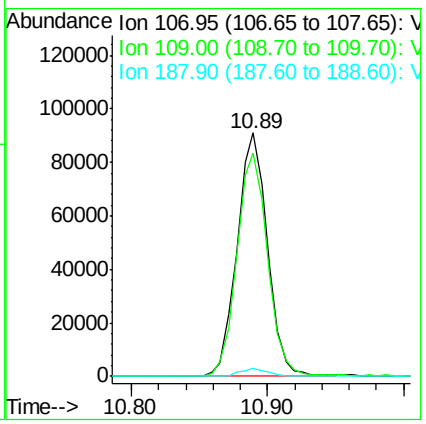


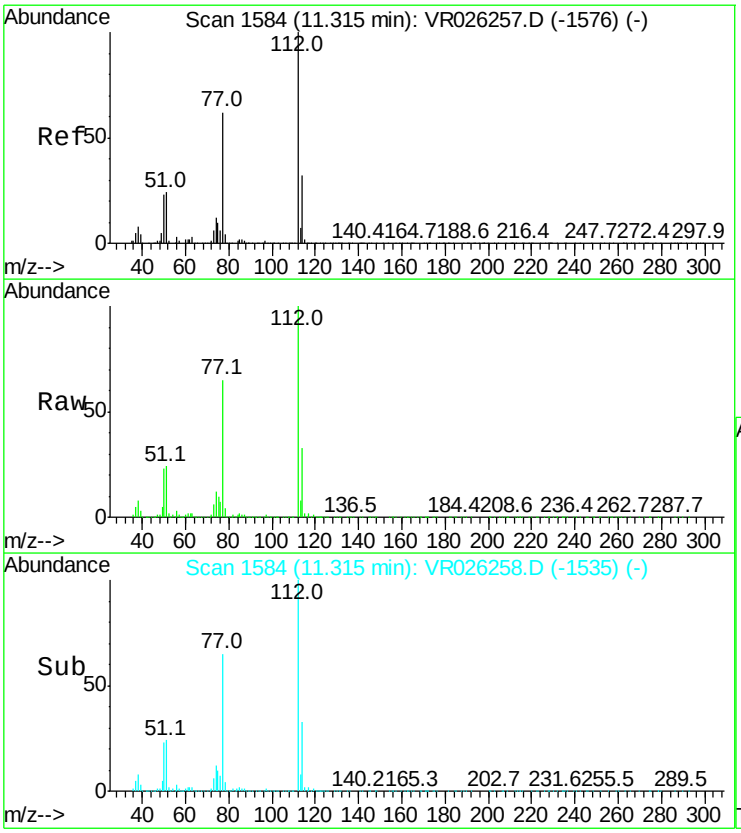

#50
1,2-Dibromoethane
Concen: 9.691 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion:107 Resp: 141155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.7 | 66.6 | 123.6 |
| 188 | 3.1 | 2.0 | 3.0# |

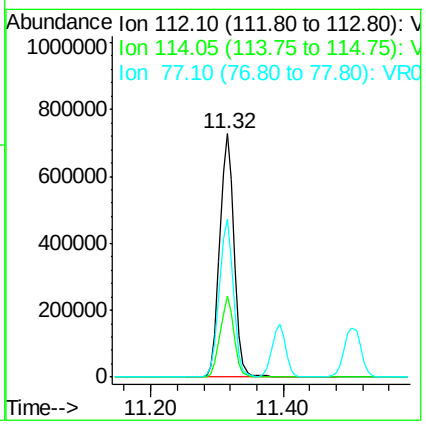


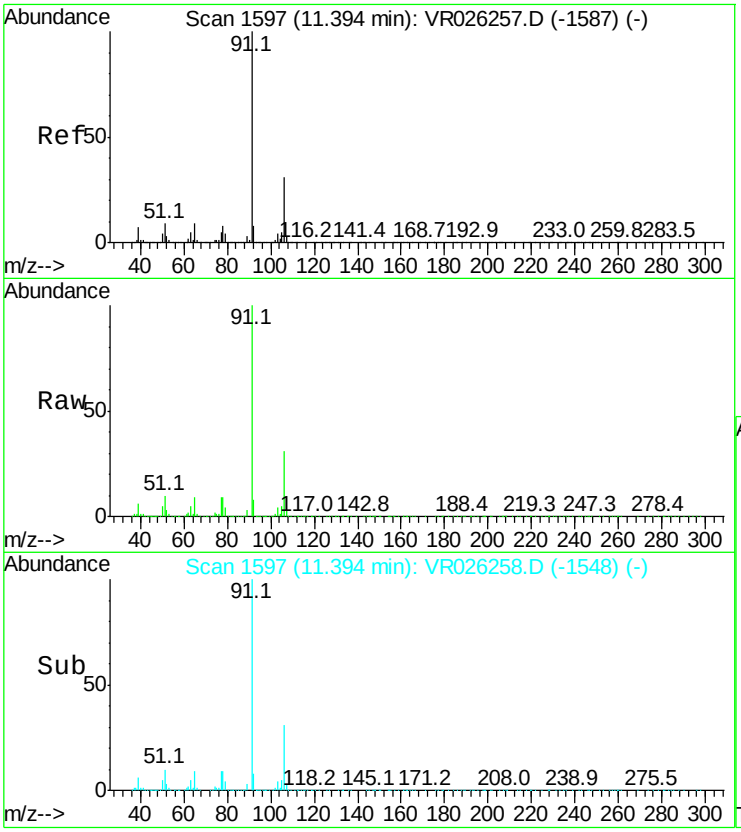




#51
Chlorobenzene
Concen: 9.908 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion:112 Resp: 1086379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.2 | 22.7 | 42.3 |
| 77 | 64.7 | 49.8 | 74.8 |



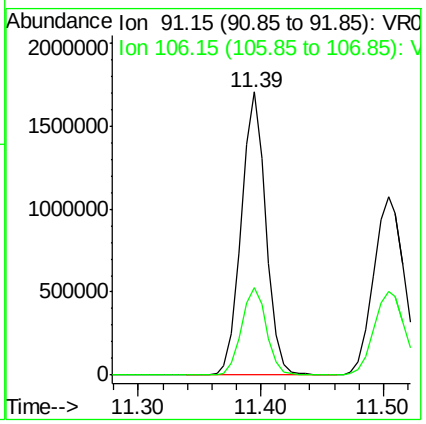


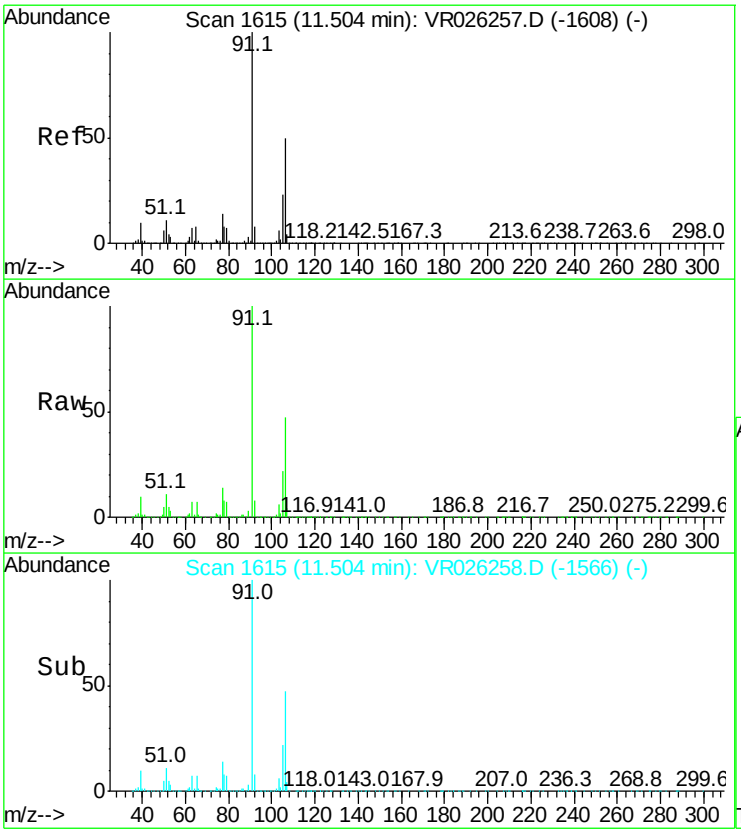

#52
Ethylbenzene
Concen: 10.551 ug/L
RT: 11.39 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD01099

Tgt Ion: 91 Resp: 2367633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.0 | 22.0 | 41.0 |

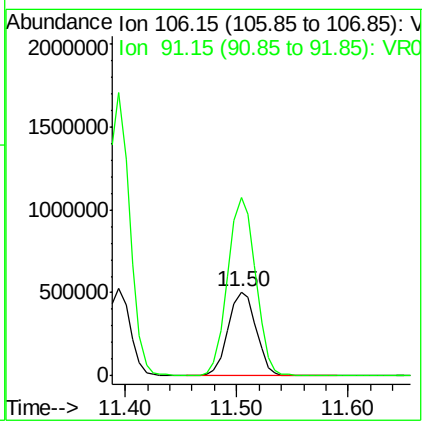


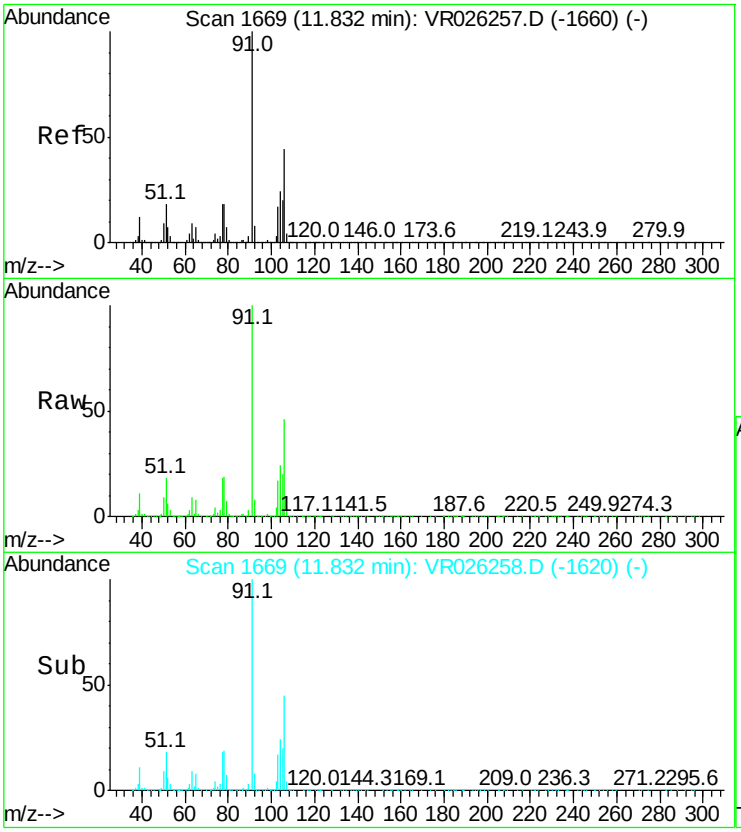




#53
m,p-Xylene
Concen: 10.587 ug/L
RT: 11.50 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion:106 Resp: 876075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.2 | 141.2 | 262.2 |



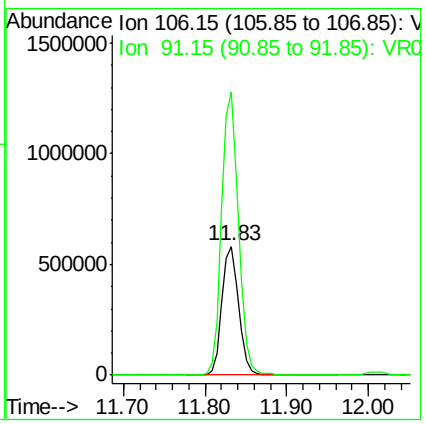


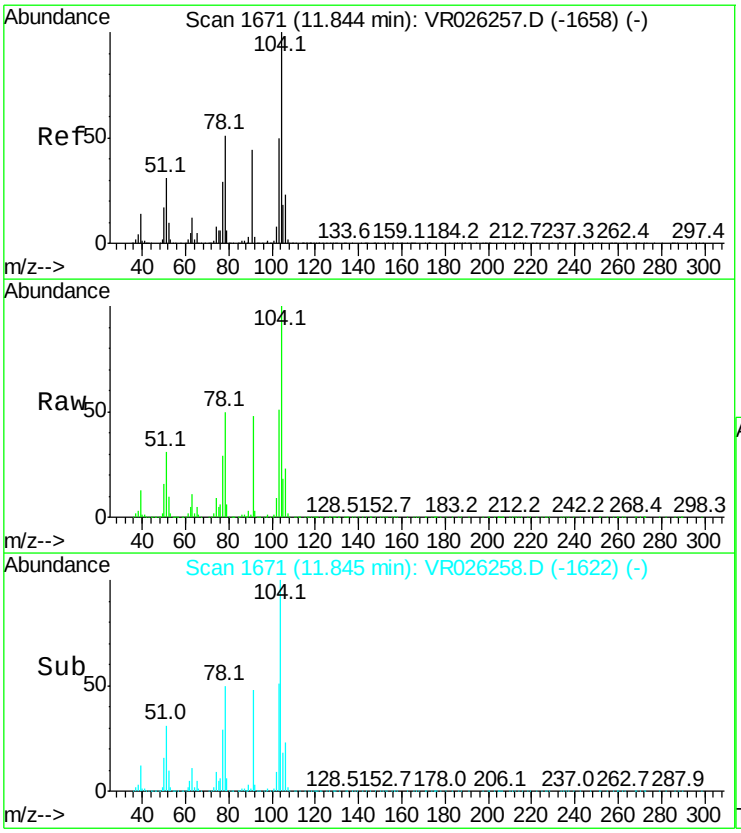

#54
o-Xylene
Concen: 10.953 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion:106 Resp: 829952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.8 | 159.6 | 296.4 |

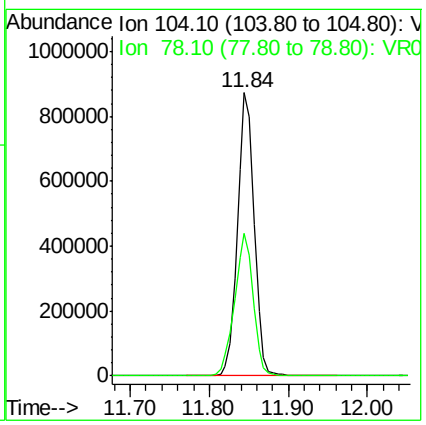


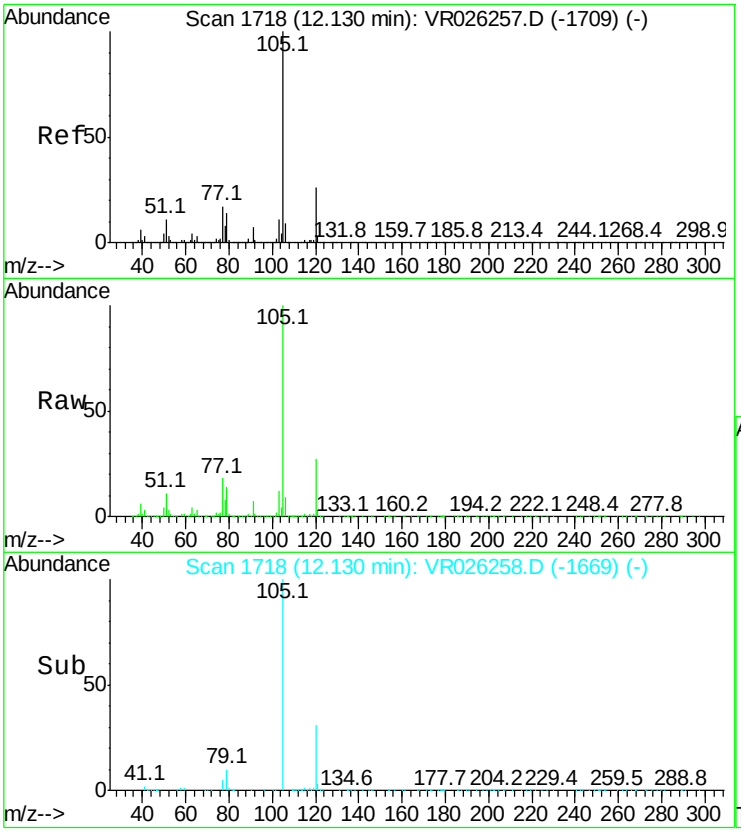




#55
Styrene
Concen: 11.135 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion:104 Resp: 1287646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.5 | 35.4 | 65.8 |



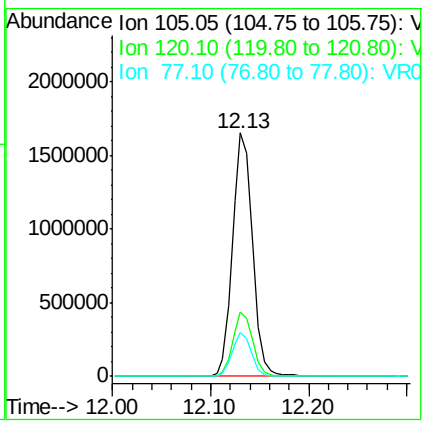


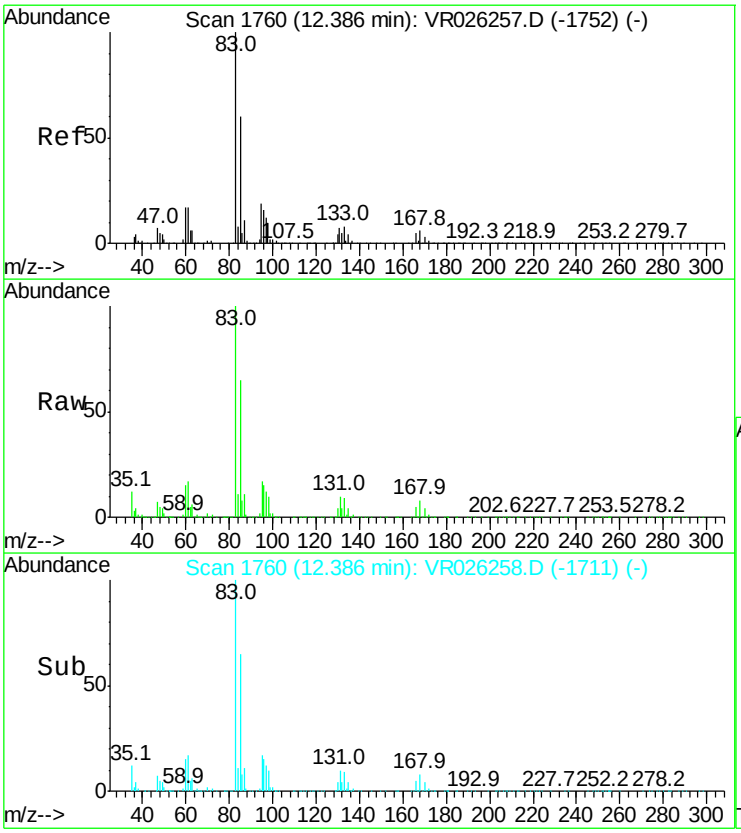

#56
Isopropylbenzene
Concen: 11.235 ug/L
RT: 12.13 min Scan# 1718
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion:105 Resp: 2332059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.3 | 20.3 | 30.5 |
| 77 | 17.5 | 13.8 | 20.8 |

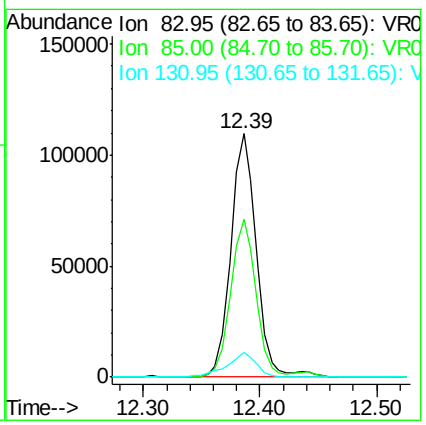


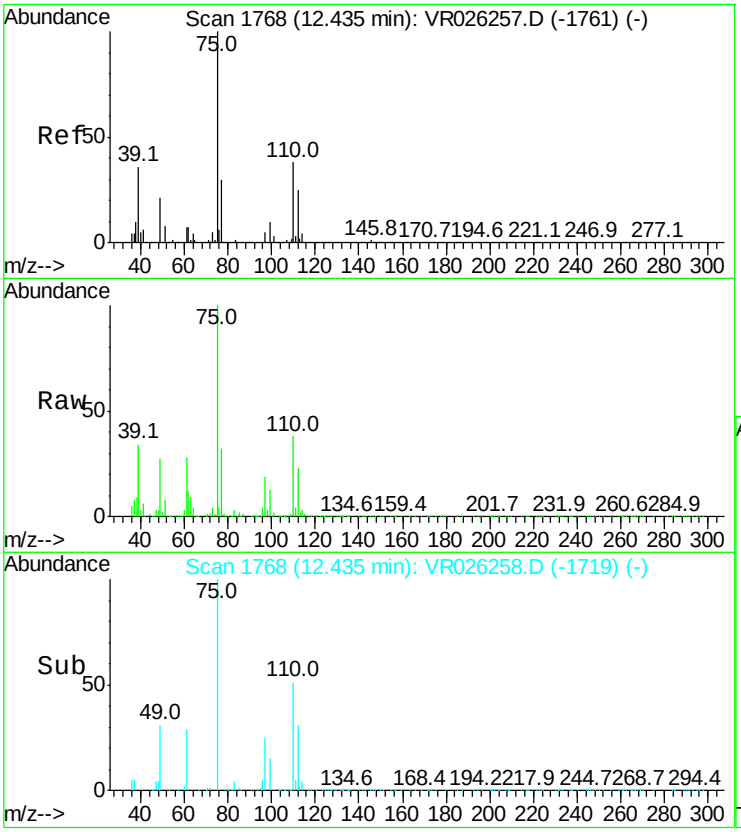




#58
1,1,2,2-Tetrachloroethane
Concen: 10.256 ug/L
RT: 12.39 min Scan# 1760
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion: 83 Resp: 166749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.9 | 42.3 | 78.5 |
| 131 | 10.4 | 5.4 | 8.2# |



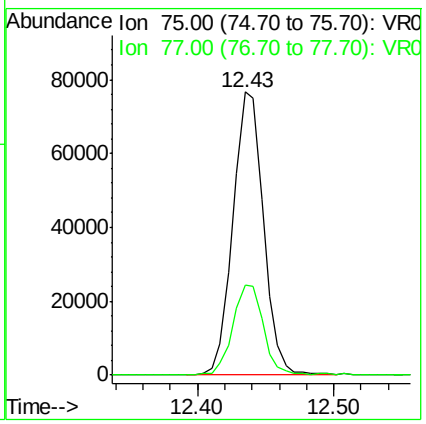


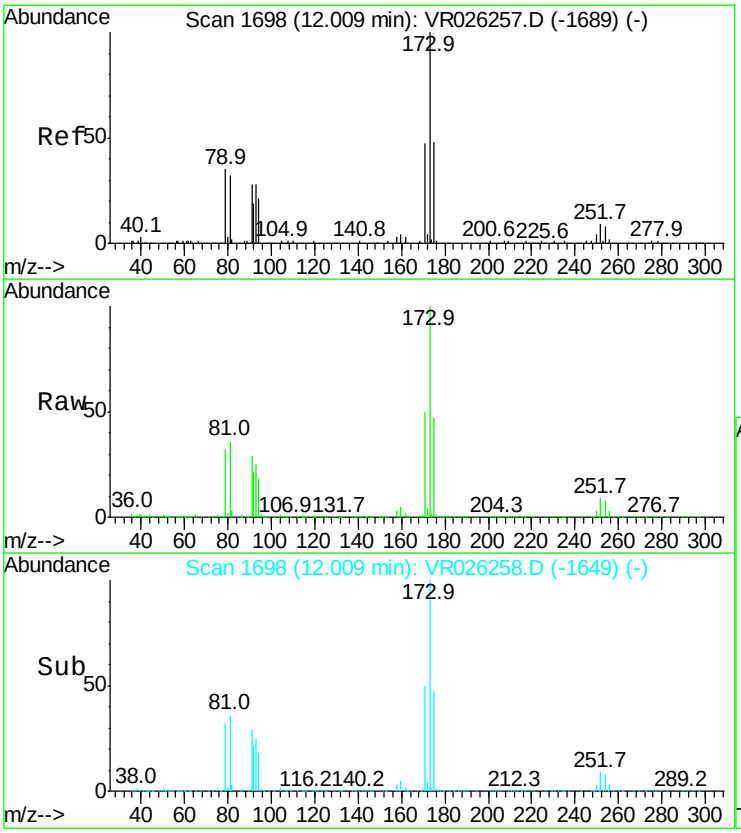

#59
1,2,3-Trichloropropane
Concen: 9.795 ug/L
RT: 12.43 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD01099

Tgt Ion: 75 Resp: 119392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.1 | 37.7 |

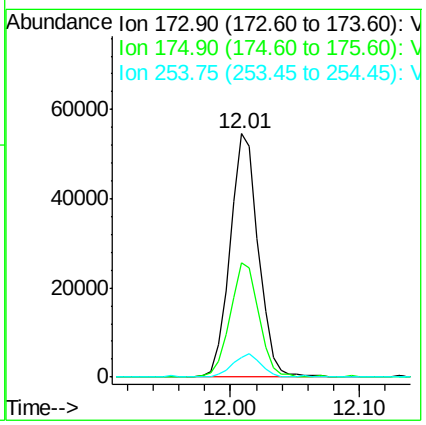


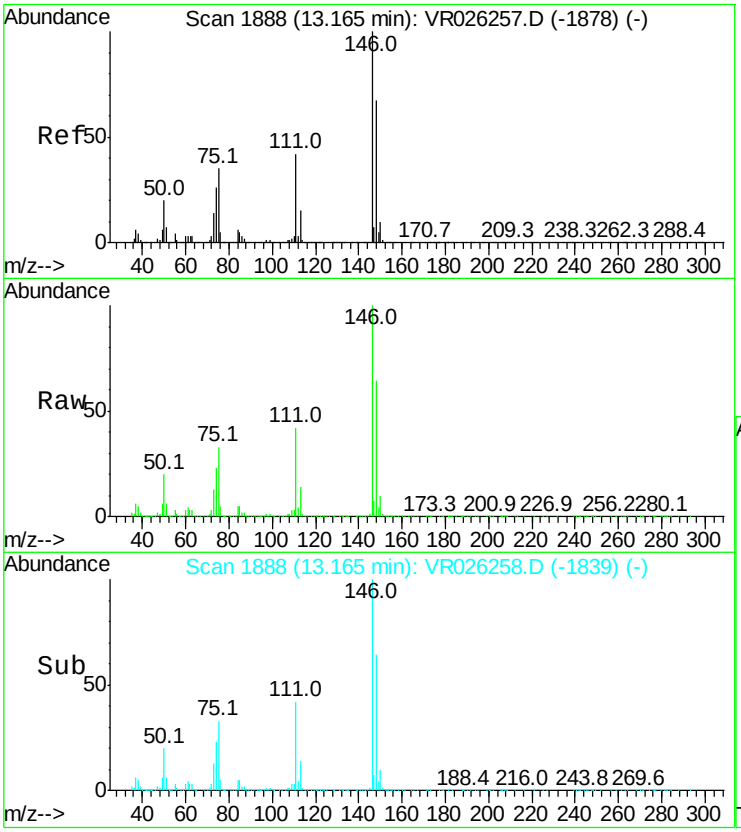




#61
Bromoform
Concen: 9.948 ug/L
RT: 12.01 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion:173 Resp: 83593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.7 | 37.8 | 56.6 |
| 254 | 9.6 | 7.6 | 11.4 |



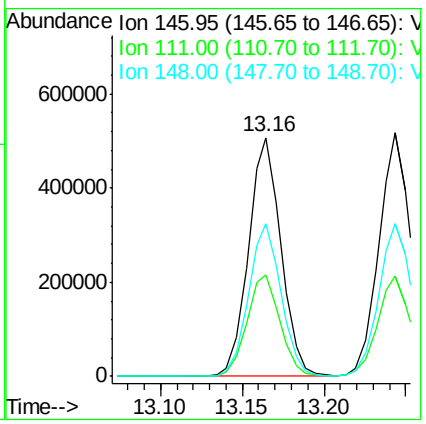


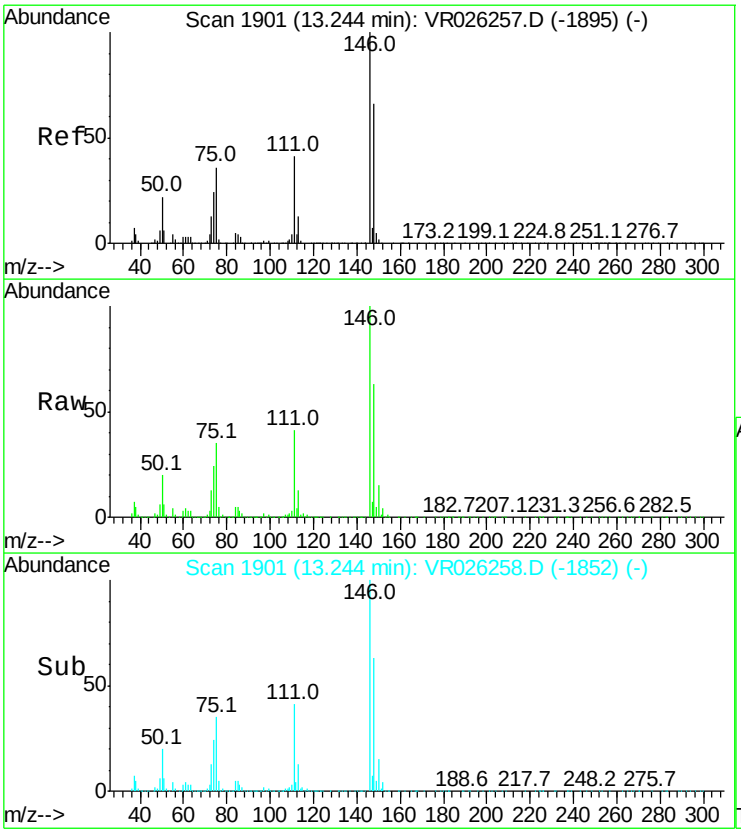

#62
1,3-Dichlorobenzene
Concen: 10.058 ug/L
RT: 13.16 min Scan# 1888
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD01099

Tgt Ion:146 Resp: 701759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.3 | 29.4 | 54.6 |
| 148 | 64.0 | 46.5 | 86.5 |

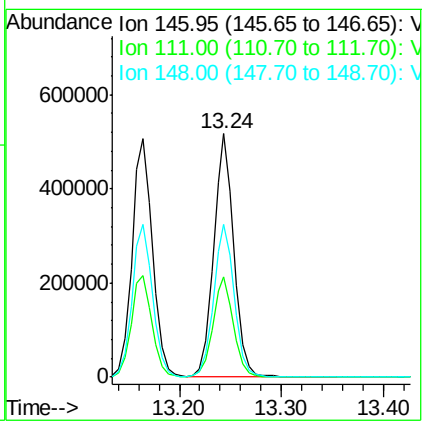


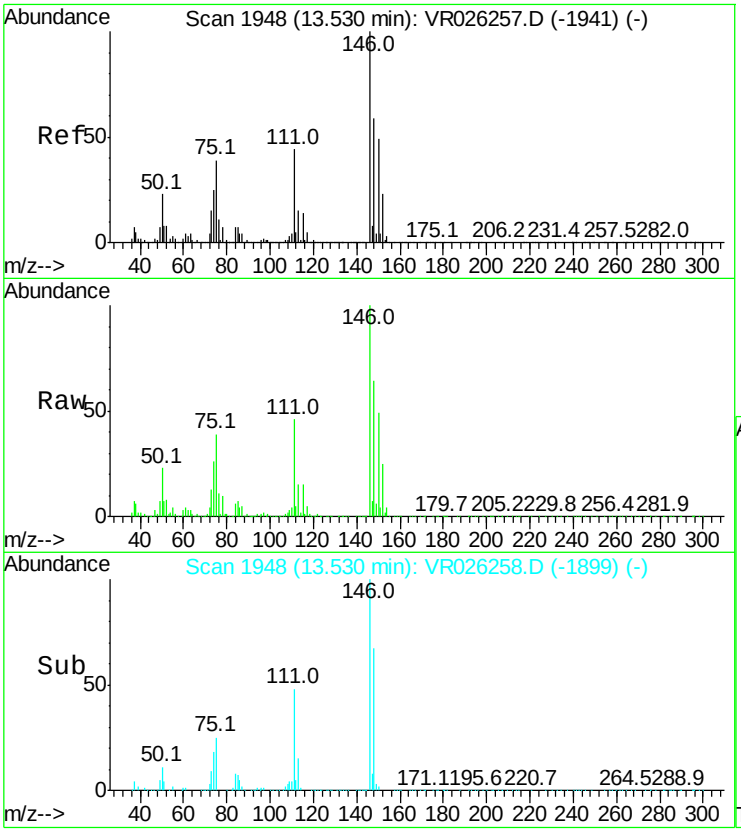




#63
1,4-Dichlorobenzene
Concen: 9.490 ug/L
RT: 13.24 min Scan# 1901
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion:146 Resp: 714249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.1 | 28.9 | 53.7 |
| 148 | 62.6 | 46.3 | 85.9 |



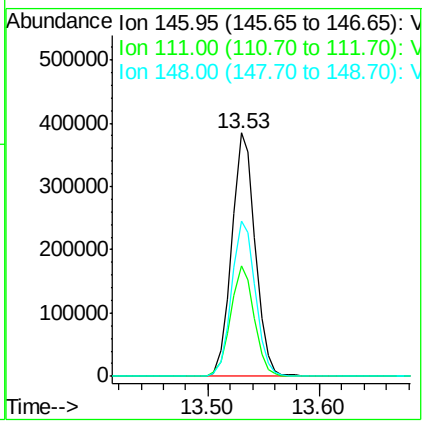


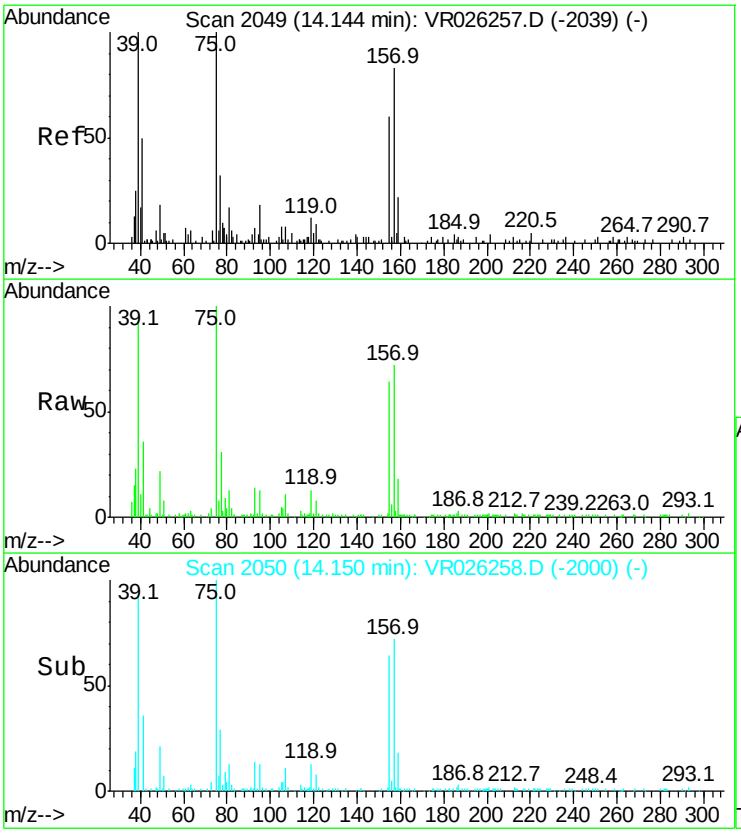

#65
1,2-Dichlorobenzene
Concen: 9.744 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion:146 Resp: 558269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.5 | 35.5 | 53.3 |
| 148 | 64.0 | 47.6 | 71.4 |

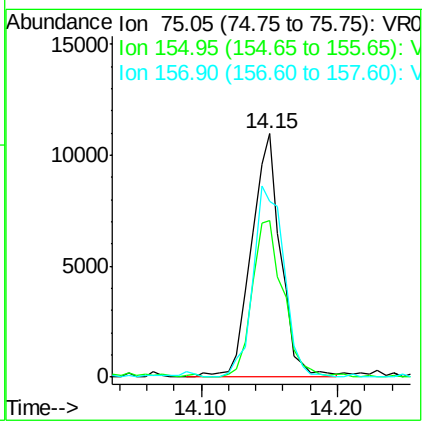


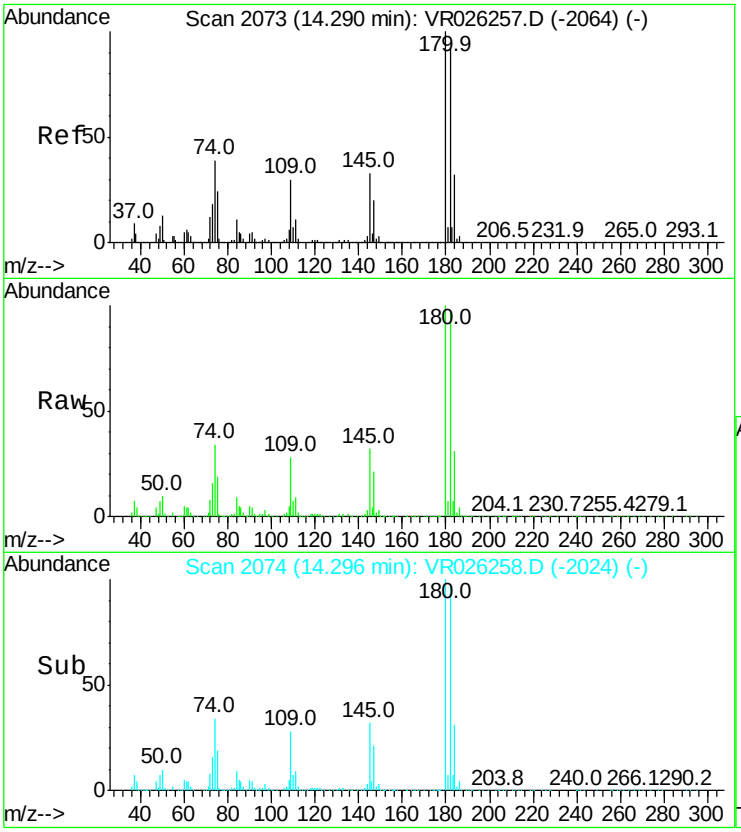




#66
1,2-Dibromo-3-chloropropane
Concen: 8.659 ug/L
RT: 14.15 min Scan# 2050
Delta R.T. 0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion: 75 Resp: 16586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 64.3 | 47.9 | 71.9 |
| 157 | 72.3 | 66.5 | 99.7 |



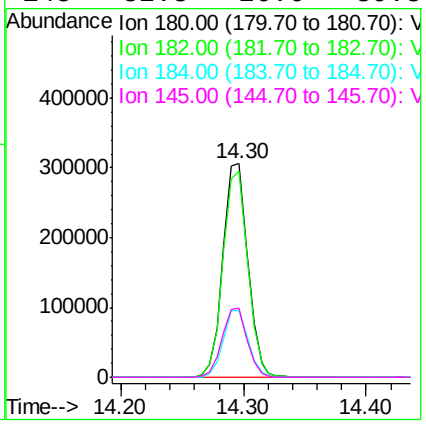


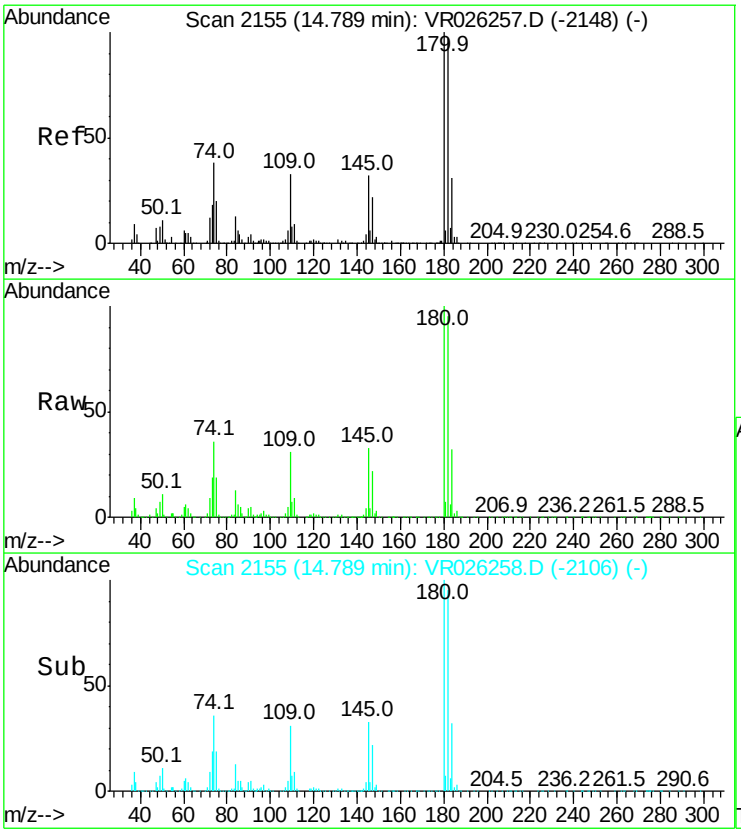

#67
1,3,5-Trichlorobenzene
Concen: 9.541 ug/L
RT: 14.30 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion:180 Resp: 430998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 74.0 | 111.0 |
| 184 | 31.3 | 25.4 | 38.0 |
| 145 | 32.8 | 26.6 | 39.8 |

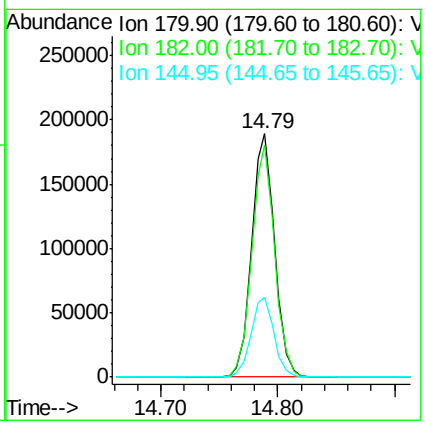


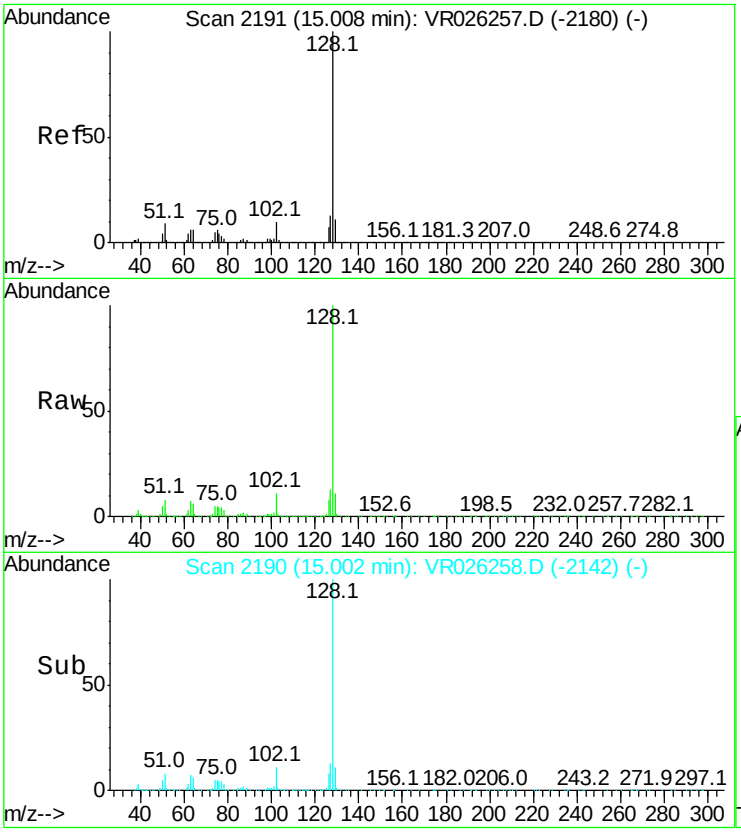




#68
1,2,4-trichlorobenzene
Concen: 10.096 ug/L
RT: 14.79 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion:180 Resp: 257881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 74.9 | 112.3 |
| 145 | 32.9 | 26.0 | 39.0 |



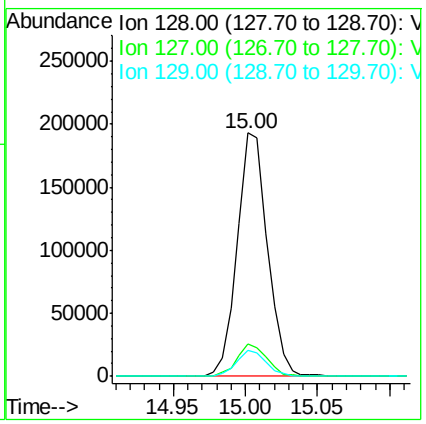


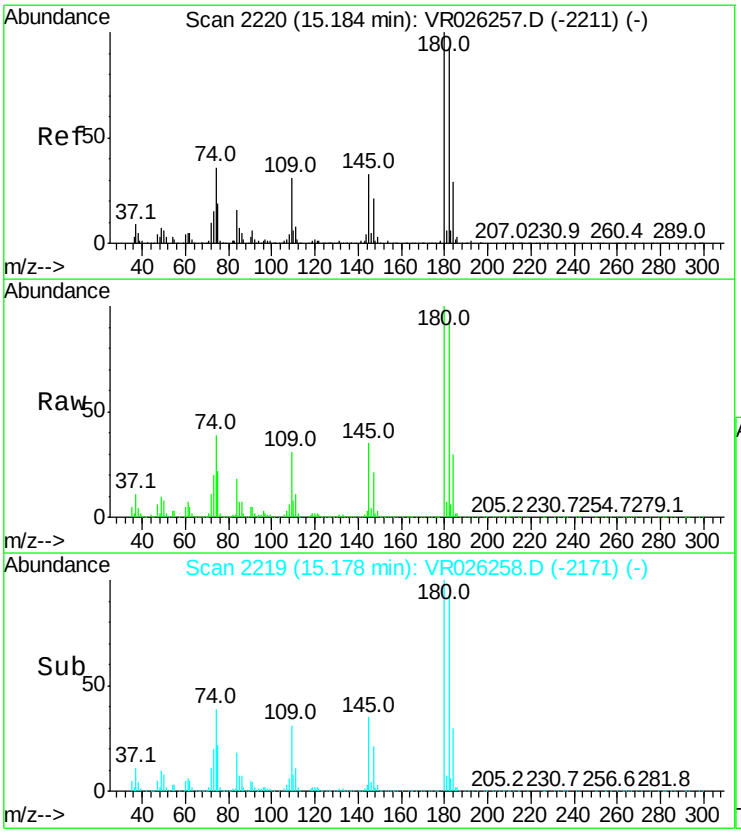

#69
Naphthalene
Concen: 11.305 ug/L
RT: 15.00 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD01099

Tgt Ion:128 Resp: 281287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.2 | 15.2 |
| 129 | 10.6 | 9.2 | 13.8 |




#70
1,2,3-Trichlorobenzene
Concen: 9.937 ug/L
RT: 15.18 min Scan# 2219
Delta R.T. -0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion:180 Resp: 181586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.8 | 73.9 | 110.9 |
| 145 | 36.0 | 28.2 | 42.2 |